

ORDER FOR SUPPLIES OR SERVICES

PAGE OF PAGES

1

2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER 11/05/2012		2. CONTRACT NO. (If any) EP-W-12-031		6. SHIP TO: a. NAME OF CONSIGNEE Region 4	
3. ORDER NO. 4401		4. REQUISITION/REFERENCE NO. PR-R4-12-00677			
5. ISSUING OFFICE (Address correspondence to) SRRPOD US Environmental Protection Agency Ariel Rios Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3805R Washington DC 20460				b. STREET ADDRESS US Environmental Protection Agency Atlanta Federal Center 61 Forsyth Street, SW	
				c. CITY Atlanta	e. ZIP CODE 30303-3104
7. TO: HEATHER TEED				f. SHIP VIA	
a. NAME OF CONTRACTOR BOOZ ALLEN HAMILTON INC.				8. TYPE OF ORDER	
b. COMPANY NAME				<input type="checkbox"/> a. PURCHASE <input checked="" type="checkbox"/> b. DELIVERY REFERENCE YOUR: _____ Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.	
c. STREET ADDRESS 8283 GREENSBORO DRIVE				Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.	
d. CITY MCLEAN		e. STATE VA	f. ZIP CODE 221023838		
9. ACCOUNTING AND APPROPRIATION DATA See Schedule				10. REQUISITIONING OFFICE	

11. BUSINESS CLASSIFICATION (Check appropriate box(es)) <input type="checkbox"/> a. SMALL <input type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. SERVICE-DISABLED VETERAN-OWNED <input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM <input type="checkbox"/> h. EDWOSB				12. F.O.B. POINT Destination	
13. PLACE OF a. INSPECTION Destination		b. ACCEPTANCE Destination		14. GOVERNMENT B/L NO.	
				15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	
				16. DISCOUNT TERMS	

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	DUNS Number: 006928857 EPA Region 4 RCRA Corrective Action Program Oversight This Time-and-Material Task Order is hereby initiated approving the contractor's Continued ...					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		17(h) TOTAL (Cont. pages)
	21. MAIL INVOICE TO:						
	a. NAME RTP Finance Center						\$0.00
	b. STREET ADDRESS (or P.O. Box) US Environmental Protection Agency RTP-Finance Center Mail Drop D143-02 109 TW Alexander Drive						
c. CITY Durham		d. STATE NC	e. ZIP CODE 27711		\$467,818.00		17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY (Signature)

23. NAME (Typed)
Corey Kerzhner
TITLE: CONTRACTING/ORDERING OFFICER

ORDER FOR SUPPLIES OR SERVICES
SCHEDULE - CONTINUATION

PAGE NO
2

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DATE OF ORDER 11/05/2012	CONTRACT NO. EP-W-12-031	ORDER NO. 4401
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ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
0001	<p>proposal dated October 16, 2012 in the amount of \$467,818.00. Funding in the amount of \$345,000.00 is provided which the contractor is not authorized to exceed.</p> <p>All other terms and conditions remain unchanged and in full force and effect.</p> <p>TOPO: Denise Housley Admin Office: SRRPOD US Environmental Protection Agency Ariel Rios Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3805R Washington DC 20460</p> <p>Period of Performance: 09/13/2012 to 09/01/2013</p> <p>CA Oversight TO</p> <p>Accounting Info: 12-13-B-04-303D99-2505-1204TK2009-001 BFY: 12 EFY: 13 Fund: B Budget Org: 04 Program (PRC): 303D99 Budget (BOC): 2505 DCN - Line ID: 1204TK2009-001 Funding Flag: Complete Funded: \$345,000.00</p> <p>The obligated amount of award: \$345,000.00. The total for this award is</p>					

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$0.00

U.S. Environmental Protection Agency, Region 4
CONTRACT NUMBER: EP-W-12-XXX
CONTRACT NAME: REPA 5, Zone 2
CONTRACTOR NAME: TBD
REGIONAL TASK ORDER NUMBER: 4401
September 18, 2012

I. TITLE

RCRA Corrective Action Program Oversight

REPA Task Order# 4401

This Task Order will include assistance requests related to the following RCRA REPA 5, Zone 2 Contract identified Tasks and Subtasks :

- Task 1: Technical Reviews & Analysis/Assessment Support,
 - Subtask 1.1 Technical Reviews,
 - Subtask 1.2 Technical Analysis/Assessment Support & Document Preparation,
- Task 2: Field Oversight, Inspection, Sampling & Data Review,
 - Subtask 2.1 Field Audit/Oversight & Inspections,
 - Subtask 2.2 Field Sampling,
 - Subtask 2.3 Data Review (Validation, Evaluation, & Reporting),
- Task 4: Records and Data Management,
 - Subtask 4.1 Records Management,
 - Subtask 4.2 Data management,
- Task 5: Training, Conferences, Community Engagement & Public Involvement,
 - Subtask 5.1 Training & Conference Support, and,
 - Subtask 5.2 Public Involvement, Community Engagement & Outreach Activities.

II. CONTRACT OFFICER REPRESENTATIVES

Contract Level Task Order Contract Officer Representative (Contract Level COR)

Brian Bastek
Project Manager
Corrective Action Section, RUST Branch
RCRA Division
U.S. Environmental Protection Agency, Region 4
10th Floor – Sam Nunn Atlanta Federal Center
61 Forsyth Street, S.W.
Atlanta, GA 30303
Ph: 404-562-8511
Fax: 404-562-8439
eMail: bastek.brian@epa.gov

EPA Task Order Contract Officer Representative (TOCOR)

Denise Housley
Senior RCRA Program Specialist
Corrective Action Section, RUST Branch
RCRA Division
U.S. Environmental Protection Agency, Region 4

10th Floor – Sam Nunn Atlanta Federal Center
61 Forsyth Street, S.W.
Atlanta, GA 30303
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Fax: 404-562-8439
eMail: housley.denise@epa.gov

The Contract Level COR will be the point of contact with the Contractor's program manager. The TOCOR will act as the technical and administrative point of contact between EPA and the Contractor's Task Order Manager (TOM.) The Technical Contacts will be identified by the TOCOR for each facility or project. The Technical Contact will act as the technical advisor for EPA and the Contractor's staff.

III. AUTHORIZATION

This Performance Work Statement (PWS) is in accordance with RCRA REPA 5, Zone 2 Contract PWS

- Task 1: Technical Reviews & Analysis/Assessment Support,
 - Subtask 1.1 Technical Reviews,
 - Subtask 1.2 Technical Analysis/Assessment Support & Document Preparation,
- Task 2: Field Oversight, Inspection, Sampling & Data Review,
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 - Subtask 5.1 Training & Conference Support, and,
 - Subtask 5.2 Public Involvement, Community Engagement & Outreach Activities.

IV. PERIOD OF PERFORMANCE

The period of performance for this Task Order, (TO) is from the date of Contracting Officer issuance through September 30, 2017.

V. BACKGROUND

The Corrective Action Section [CAS] is the lead organizational unit responsible for the implementation and oversight of the RCRA Corrective Action Program associated with hazardous waste management permits, post closure permits, closures, remedial actions, various types of orders directing corrective action, interim measures, voluntary investigations, remediation, necessary public participation and outreach related to corrective action in Region 4. CAS oversees the RCRA Corrective Action Program in the seven southeastern states within EPA Region 4 and issues the HSWA Corrective Action permits in the State of Mississippi.

Government Performance and Results Act Goals

Many of the GPRA Goals for the Region are achieved through the efforts of the RCRA Corrective Action Program. Corrective Action under RCRA can be implemented through a number of enforceable documents as appropriate for the uniqueness of the facility's situation.

The RCRA CA Program issues and modifies RCRA HSWA permits to impose corrective action and to issue final decisions on remedies for Solid Waste Management Units (SWMU). A HSWA permit is part of the full RCRA permit and is necessary for a facility to be fully RCRA permitted.

Additionally, much of RCRA corrective action is accomplished via various types of court orders that direct environmental facility investigation, sampling and analysis, remedy and technology assessment, remedy installation and operation as well as remedy performance evaluation.

Corrective action oversight involves technical review and analysis of a variety of documentation as well as on-site activity evaluation, sampling and analysis work, research on best available and developing remedy and assessment technologies, risk assessment and air and groundwater modeling, fate and transport. Documents may involve research to provide background information on facility history, ownership and financial standing.

Corrective Action public involvement and Community Engagement are significant aspects of remedy selection, implementation and installation. Common community Engagement efforts include the design, development, coordination, maintenance and presentation of: 1. Workshops and meetings related to facility specific remediation information and issues, 2. Basic training for understanding the Corrective Action process, 3. Corrective Action progress updates and factsheet, mailings, 4. Visual aids, charts, diagrams, 5. Repository websites and hardcopy collections for a specific Corrective Action project.

VI. OBJECTIVE/PURPOSE

The EPA requests the contractor use their experienced personnel to assist EPA Region 4 with the implementation and oversight of corrective action per RCRA orders and permits. Experience and knowledge requested includes oversight of sampling and analysis; community engagement; data management; remediation technology design, installation and operation; risk assessment; environmental media investigation design and oversight. The contractor may be requested to provide experience personnel to accomplish any of the tasks identified in the Section V. Background description above. Further,

- The contractor for this Task Order is charged with assisting EPA Region 4 staff in reviewing or overseeing corrective action related information collection, evaluation, documentation, and assessment of site-specific information and the development of conditions or orders for permits, permit modifications, renewal permits, or to develop orders for RCRA facilities subject to corrective action. The contractor maybe requested to review human health and ecological risk assessments, historical photo research and analysis, contaminant fate and transport modeling, and assess proposed remedy selections. Common reviews EPA may request include, but are not limited to those listed in the RCRA REPA 5, Zone 2 Contract PWS, Subtasks 1.1 and 1.2.
- The contractor for this Task Order is charged with assisting EPA Region 4 staff in overseeing such investigations, sampling and analysis, analytical data review and evaluation, data validation per EPA Region 4 Science & Ecological Support Division (SESD) guidelines, oversight remedy and well installation, and completing limited independent field studies involving sampling, analysis, and data validation and evaluation; for identified RCRA facilities subject to corrective action. Common field oversight EPA may request include, but not limited to Subtasks 2.1, 2.2 and 2.3,
- The contractor for this Task Order is charged with assisting EPA Region 4 staff in document and data management, web publication of public information and hardcopy and electronic repository creation and management including but not limited to RCRA REPA 5, Zone 2 Contract PWS, Subtasks 4.1 and 4.2.

- The contractor for this Task Order is charged with assisting EPA Region 4 staff in Corrective Action training, community engagement meetings and public communications support that EPA may request include, but are not limited those listed in RCRA REPA 5, Zone 2 Contract PWS, Subtasks 5.1, 5.2.

VII. ASSUMPTIONS AND CONSTRAINTS

Level of Complexity: Moderate to High Complexity

This TO is anticipated to be predominantly highly complex in technical difficulty overseen by senior scientist and engineers with support from mid level and junior scientists and engineers, and experts as appropriate to the work to be completed.

The Contract personnel assigned to this TO shall have appropriate expertise for each task or subtask requested.

Since the proposed technical personnel are an important element of this requirement, the contractor shall provide the level of education/degrees held and the number of years experience for each proposed personnel. Brief resumes shall be provided with each assistance request.

1. All electronic deliverables shall be scanned for viruses prior to delivery to EPA.
2. Unless otherwise specified, all source electronic deliverables shall be generated in the following proprietary formats depending on the type of file:
 - Microsoft Word
 - Excel
 - Adobe Acrobat Portable Document Format, and
 - For data, the contractor shall use EPA Region 4 standard electronic data deliverable (EDD) format (See www.epa.gov/region4/waste/sf/edd/edd.html for more information.)

The Contractor shall provide deliverables via hard copy, eMail and DVD-R. If information should require an alternative format, the Contractor shall request the TOCOR or alternate TOCOR approval of the alternative format prior to delivering the information in the alternative format.

VIII. SCOPE

Task 1.0 Pre-Award Meeting and Proposal

Contractor shall prepare a Task Order proposal based on the task and effort described in this Task Order and an average cost for 10 separate RCRA Corrective Action-subject facilities of varying from moderate to high complexity sites.

Prior to submitting a proposal per the Contracting Officer's directions, the contractor may request a scoping conference call for clarifications on the descriptions provided by this Performance Work Statement.

The contractor should note that this TO may be expanded to include additional facilities. An additional facility may be requested with contractor concurrence and evaluation for need for revision of the quoted costs. This TO maybe funded incrementally.

For the purpose of cost estimation for this Performance Work Statement, the contractor should assume the following total number of assistance requests might be made for Corrective Action facilities. The contractor should estimate based on the contractor's experience and recent, average costs for similar tasks/subtasks of similar complexity:

- 10 technical document reviews assumed to be of moderate to high complexity,
- 5 research projects of moderate to high complexity and may require data gathering/file reviews at EPA Region 4 and/or the state,
- 5 public information and participation meetings (not exceeding 2 hours in duration for approximately 75 persons) (including setup for and facilitation/presentation of information at the location, acquiring the location, publication of the meeting announcement in a local newspaper and on the local radio once),
- 5 on-site sampling oversight events (including collection of 10 split samples/event and data validation and reporting),
- Conducting 5 independent field sampling events averaging 25 samples/event. All field sampling will included data validation and reporting,
- 5 factsheets or mail outs prepared and mailed to the facility mailing list and/or affected persons (assuming a 200 person mailing list),
- 2 Data management and repository creation (i.e., web-based electronic and hardcopy repositories).

The Contractor shall not incur costs or hours above the amounts authorized by the Task Order approval without the prior, specific, written approval of the Contracting Officer.

Task 2.0 Assistance Request Technical Direction Discussion

There shall be an initial Assistance Request Technical Direction Discussion prior to initiating work; the contractor shall participate in an initial meeting or conference call with the EPA TOCOR and Technical Contact. The purpose of the meeting will be to clarify models, and technical approach, sampling and analysis planning, public participation plan or scope of investigation/review/oversight and resources to be used. Personnel assigned to this work assignment shall have appropriate expertise for the specific tasks.

The EPA Technical Contact (TC) will provide technical information to the contractor regarding required corrective action criteria and administrative process. All official correspondence with the facility will be conducted jointly with the EPA. The contractor shall collect all documents necessary for oversight, review and evaluation from the TOCOR or TC for each assistance request and deliverable development.

Task 2.1 Requested Deliverable Schedule. The contractor shall propose a schedule based on the Assistance Request Technical Direction Discussion, for the submittal of the requested deliverable. The TOCOR shall approved the detailed schedule for deliverables for each assistance request in a written Technical Directive (TD) prior to the contractor proceeding with any additional work on the request.

Task 3.0 Requested Deliverable Development

The contractor shall prepare all deliverables using current EPA regulations, policy, procedures, methods, analysis, and data validation guidance, EPA Region 4's Community Engagement Toolkit,

best available industry standards, practices and engineering, as well as expert knowledge and experience; to support the effectiveness of the EPA's RCRA Corrective Action Program in accordance with the performance standards of RCRA REPA 5, Zone 2 Contract PWS, Tasks 1, 2, 4, and 5.

The contractor shall format all deliverables as used by EPA, or as directed.

The contractor shall contact the TOCOR as questions, technical or funding issues arise via phone or e-mail to facilitate immediate resolution or direction.

Additional conference calls shall be requested by the contractor as necessary shall be requested by the contractor to ensure the quality of the requested assistance and resulting deliverable.

Task 3.1 Final Version of Requested Deliverable. The EPA will provide comments or corrections to the deliverable within 15 days of receipt. The contractor shall revise and resubmit the final deliverable within 15 days of receipt of any EPA comments or corrections on the original submittal.

IX. Performance Measures and Quality Assurance

The contractor's performance and deliverables shall be in accordance with the performance standards of the RCRA REPA 5, Zone 2 Contract PWS, Tasks 1, 2, 4 and 5.

X. Technical Direction

The TC and the TOCOR are authorized to provide technical communication that clarifies the PWS as set forth in this work assignment. Before accepting any action under technical direction, the contractor shall ensure that the technical direction falls within the scope of work for this work assignment. Technical direction may be issued orally and then confirmed in writing by the TOCOR; within five (5) calendar days after verbal issuance. Technical direction includes: (1) information to the contractor that assists the contractor in accomplishing the PWS and (2) comments on and approval of reports and other deliverables.

The TC will forward technical communications for the contractor to the TOCOR for concurrence and transmittal to the contractor. Technical direction must be within the scope of the contract, PWS and approved proposal. The TC is not authorized to make changes to this PWS, proposal or contract. Any deviation from the approved proposal or REPA contract must be authorized by the Contracting Officer. Where substitutions become necessary, they will be authorized by the Contracting Officer and not via technical direction.

XI. Schedule of Deliverables

Task	Description	Deliverable
1.0	Task Order Proposal	15 days post receipt of Task Order Request from the Contracting Officer
2.0	Assistance Request Technical Direction Discussion	Within 5 days of receipt a Technical Directive (TD) Assistance Request from the TOCOR
2.1	Prepare and submit a brief work plan description and schedule for the requested assistance for TOCOR approval by written TD.	5 days after the Task 2.0 Conference regarding the specifically requested assistance
3.0	Submittal of Deliverables	Per approved Requested Assistance Task Schedule for Deliverables*
3.1	Final Deliverable for Requested Assistance	15 days post receipt of any EPA comments on original draft Deliverable submitted.

* The schedule of deliverables shall be dependent upon the assistance requested and shall be discussed and detailed in the Assistance Request Technical Direction Discussion per Task 2. The TOCOR shall approve the detailed schedule for each assistance request in a written technical direction prior to the contractor proceeding with any additional work on the request.

EP-W-12-031 TASK ORDER 4401 MOD SUMMARY

Mod #	Reason For Modification	Status	Award Date	Obligation	Total Amount
BASE		Released	11/5/2012	\$345,000.00	\$467,818.00
003	Funding Only Action	Released	1/8/2014	\$12,511.91	\$0.00
002	Funding Only Action	Released	7/31/2013	(\$173,000.00)	\$0.00
001	Other Administrative Action	Released	11/6/2012	\$0.00	\$0.00

ORDER FOR SUPPLIES OR SERVICES

PAGE OF PAGES

1 2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER 08/05/2013		2. CONTRACT NO. (If any) EP-W-12-031		6. SHIP TO: a. NAME OF CONSIGNEE Region 4	
3. ORDER NO. 4403		4. REQUISITION/REFERENCE NO.			
5. ISSUING OFFICE (Address correspondence to) SRRPOD US Environmental Protection Agency Ariel Rios Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3805R Washington DC 20460				b. STREET ADDRESS US Environmental Protection Agency Atlanta Federal Center 61 Forsyth Street, SW	
				c. CITY Atlanta	e. ZIP CODE 30303-3104
7. TO: HEATHER TEED				f. SHIP VIA	
a. NAME OF CONTRACTOR BOOZ ALLEN HAMILTON INC.				8. TYPE OF ORDER	
b. COMPANY NAME				<input type="checkbox"/> a. PURCHASE <input checked="" type="checkbox"/> b. DELIVERY REFERENCE YOUR: _____ Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.	
c. STREET ADDRESS 8283 GREENSBORO DRIVE				Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.	
d. CITY MCLEAN		e. STATE VA	f. ZIP CODE 221023838		
9. ACCOUNTING AND APPROPRIATION DATA See Schedule				10. REQUISITIONING OFFICE Region 4	

11. BUSINESS CLASSIFICATION (Check appropriate box(es))				12. F.O.B. POINT Destination	
<input type="checkbox"/> a. SMALL <input type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. SERVICE-DISABLED VETERAN-OWNED <input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM <input type="checkbox"/> h. EDWOSB					
13. PLACE OF		14. GOVERNMENT B/L NO.		15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	
a. INSPECTION Destination	b. ACCEPTANCE Destination				

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	DUNS Number: 006928857 ** EAS Modification Only ** No action is required on the part of the contractor. In order to shift funds within EAS, Task Order 4403 has to be created Continued ...					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		17(h) TOTAL (Cont. pages)
	21. MAIL INVOICE TO:						
	a. NAME RTP Finance Center						\$0.00
	b. STREET ADDRESS (or P.O. Box) US Environmental Protection Agency RTP-Finance Center Mail Drop D143-02 109 TW Alexander Drive						
c. CITY Durham				d. STATE NC	e. ZIP CODE 27711	\$369,327.00	17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY (Signature)

23. NAME (Typed)
Corey Kerzhner
TITLE: CONTRACTING/ORDERING OFFICER

ORDER FOR SUPPLIES OR SERVICES

SCHEDULE - CONTINUATION

PAGE NO
2

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DATE OF ORDER 08/05/2013	CONTRACT NO. EP-W-12-031	ORDER NO. 4403
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ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
0001	<p>before funding can be added in modification 01.</p> <p>TOPO: Brian Bastek</p> <p>Admin Office:</p> <p>SRRPOD</p> <p>US Environmental Protection Agency</p> <p>Ariel Rios Building</p> <p>1200 Pennsylvania Avenue, N. W.</p> <p>Mail Code: 3805R</p> <p>Washington DC 20460</p> <p>Period of Performance: 09/13/2013 to 09/12/2014</p> <p>CA Oversight TO</p> <p>The obligated amount of award: \$0.00. The total for this award is shown in box 17(i).</p>					

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$0.00

U.S. Environmental Protection Agency, Region 4
CONTRACT NUMBER: EP-W-12-XXX
CONTRACT NAME: REPA 5, Zone 2
CONTRACTOR NAME: TBD
REGIONAL TASK ORDER NUMBER: 4403
September 18, 2012

I. TITLE

RCRA Corrective Action Program Oversight

REPA Task Order# 4403

This Task Order will include assistance requests related to the following RCRA REPA 5, Zone 2 Contract identified Tasks and Subtasks :

- Task 1: Technical Reviews & Analysis/Assessment Support,
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II. CONTRACT OFFICER REPRESENTATIVES

Contract Level Task Order Contract Officer Representative (Contract Level COR)

Brian Bastek
Project Manager
Corrective Action Section, RUST Branch
RCRA Division
U.S. Environmental Protection Agency, Region 4
10th Floor – Sam Nunn Atlanta Federal Center
61 Forsyth Street, S.W.
Atlanta, GA 30303
Ph: 404-562-8511
Fax: 404-562-8439
eMail: bastek.brian@epa.gov

EPA Task Order Contract Officer Representative (TOCOR)

Denise Housley
Senior RCRA Program Specialist
Corrective Action Section, RUST Branch
RCRA Division
U.S. Environmental Protection Agency, Region 4

10th Floor – Sam Nunn Atlanta Federal Center
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IV. PERIOD OF PERFORMANCE

The period of performance for this Task Order, (TO) is from the date of Contracting Officer issuance through September 30, 2017.

V. BACKGROUND

The Corrective Action Section [CAS] is the lead organizational unit responsible for the implementation and oversight of the RCRA Corrective Action Program associated with hazardous waste management permits, post closure permits, closures, remedial actions, various types of orders directing corrective action, interim measures, voluntary investigations, remediation, necessary public participation and outreach related to corrective action in Region 4. CAS oversees the RCRA Corrective Action Program in the seven southeastern states within EPA Region 4 and issues the HSWA Corrective Action permits in the State of Mississippi.

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VI. OBJECTIVE/PURPOSE

The EPA requests the contractor use their experienced personnel to assist EPA Region 4 with the implementation and oversight of corrective action per RCRA orders and permits. Experience and knowledge requested includes oversight of sampling and analysis; community engagement; data management; remediation technology design, installation and operation; risk assessment; environmental media investigation design and oversight. The contractor may be requested to provide experience personnel to accomplish any of the tasks identified in the Section V. Background description above. Further,

- The contractor for this Task Order is charged with assisting EPA Region 4 staff in reviewing or overseeing corrective action related information collection, evaluation, documentation, and assessment of site-specific information and the development of conditions or orders for permits, permit modifications, renewal permits, or to develop orders for RCRA facilities subject to corrective action. The contractor maybe requested to review human health and ecological risk assessments, historical photo research and analysis, contaminant fate and transport modeling, and assess proposed remedy selections. Common reviews EPA may request include, but are not limited to those listed in the RCRA REPA 5, Zone 2 Contract PWS, Subtasks 1.1 and 1.2.
- The contractor for this Task Order is charged with assisting EPA Region 4 staff in overseeing such investigations, sampling and analysis, analytical data review and evaluation, data validation per EPA Region 4 Science & Ecological Support Division (SESD) guidelines, oversight remedy and well installation, and completing limited independent field studies involving sampling, analysis, and data validation and evaluation; for identified RCRA facilities subject to corrective action. Common field oversight EPA may request include, but not limited to Subtasks 2.1, 2.2 and 2.3,
- The contractor for this Task Order is charged with assisting EPA Region 4 staff in document and data management, web publication of public information and hardcopy and electronic repository creation and management including but not limited to RCRA REPA 5, Zone 2 Contract PWS, Subtasks 4.1 and 4.2.

- The contractor for this Task Order is charged with assisting EPA Region 4 staff in Corrective Action training, community engagement meetings and public communications support that EPA may request include, but are not limited those listed in RCRA REPA 5, Zone 2 Contract PWS, Subtasks 5.1, 5.2.

VII. ASSUMPTIONS AND CONSTRAINTS

Level of Complexity: Moderate to High Complexity

This TO is anticipated to be predominantly highly complex in technical difficulty overseen by senior scientist and engineers with support from mid level and junior scientists and engineers, and experts as appropriate to the work to be completed.

The Contract personnel assigned to this TO shall have appropriate expertise for each task or subtask requested.

Since the proposed technical personnel are an important element of this requirement, the contractor shall provide the level of education/degrees held and the number of years experience for each proposed personnel. Brief resumes shall be provided with each assistance request.

1. All electronic deliverables shall be scanned for viruses prior to delivery to EPA.
2. Unless otherwise specified, all source electronic deliverables shall be generated in the following proprietary formats depending on the type of file:
 - Microsoft Word
 - Excel
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The Contractor shall provide deliverables via hard copy, eMail and DVD-R. If information should require an alternative format, the Contractor shall request the TOCOR or alternate TOCOR approval of the alternative format prior to delivering the information in the alternative format.

VIII. SCOPE

Task 1.0 Pre-Award Meeting and Proposal

Contractor shall prepare a Task Order proposal based on the task and effort described in this Task Order and an average cost for 10 separate RCRA Corrective Action-subject facilities of varying from moderate to high complexity sites.

Prior to submitting a proposal per the Contracting Officer's directions, the contractor may request a scoping conference call for clarifications on the descriptions provided by this Performance Work Statement.

The contractor should note that this TO may be expanded to include additional facilities. An additional facility may be requested with contractor concurrence and evaluation for need for revision of the quoted costs. This TO maybe funded incrementally.

For the purpose of cost estimation for this Performance Work Statement, the contractor should assume the following total number of assistance requests might be made for Corrective Action facilities. The contractor should estimate based on the contractor's experience and recent, average costs for similar tasks/subtasks of similar complexity:

- 10 technical document reviews assumed to be of moderate to high complexity,
- 5 research projects of moderate to high complexity and may require data gathering/file reviews at EPA Region 4 and/or the state,
- 5 public information and participation meetings (not exceeding 2 hours in duration for approximately 75 persons) (including setup for and facilitation/presentation of information at the location, acquiring the location, publication of the meeting announcement in a local newspaper and on the local radio once),
- 5 on-site sampling oversight events (including collection of 10 split samples/event and data validation and reporting),
- Conducting 5 independent field sampling events averaging 25 samples/event. All field sampling will included data validation and reporting,
- 5 factsheets or mail outs prepared and mailed to the facility mailing list and/or affected persons (assuming a 200 person mailing list),
- 2 Data management and repository creation (i.e., web-based electronic and hardcopy repositories).

The Contractor shall not incur costs or hours above the amounts authorized by the Task Order approval without the prior, specific, written approval of the Contracting Officer.

Task 2.0 Assistance Request Technical Direction Discussion

There shall be an initial Assistance Request Technical Direction Discussion prior to initiating work; the contractor shall participate in an initial meeting or conference call with the EPA TOCOR and Technical Contact. The purpose of the meeting will be to clarify models, and technical approach, sampling and analysis planning, public participation plan or scope of investigation/review/oversight and resources to be used. Personnel assigned to this work assignment shall have appropriate expertise for the specific tasks.

The EPA Technical Contact (TC) will provide technical information to the contractor regarding required corrective action criteria and administrative process. All official correspondence with the facility will be conducted jointly with the EPA. The contractor shall collect all documents necessary for oversight, review and evaluation from the TOCOR or TC for each assistance request and deliverable development.

Task 2.1 Requested Deliverable Schedule. The contractor shall propose a schedule based on the Assistance Request Technical Direction Discussion, for the submittal of the requested deliverable. The TOCOR shall approved the detailed schedule for deliverables for each assistance request in a written Technical Directive (TD) prior to the contractor proceeding with any additional work on the request.

Task 3.0 Requested Deliverable Development

The contractor shall prepare all deliverables using current EPA regulations, policy, procedures, methods, analysis, and data validation guidance, EPA Region 4's Community Engagement Toolkit,

best available industry standards, practices and engineering, as well as expert knowledge and experience; to support the effectiveness of the EPA's RCRA Corrective Action Program in accordance with the performance standards of RCRA REPA 5, Zone 2 Contract PWS, Tasks 1, 2, 4, and 5.

The contractor shall format all deliverables as used by EPA, or as directed.

The contractor shall contact the TOCOR as questions, technical or funding issues arise via phone or e-mail to facilitate immediate resolution or direction.

Additional conference calls shall be requested by the contractor as necessary shall be requested by the contractor to ensure the quality of the requested assistance and resulting deliverable.

Task 3.1 Final Version of Requested Deliverable. The EPA will provide comments or corrections to the deliverable within 15 days of receipt. The contractor shall revise and resubmit the final deliverable within 15 days of receipt of any EPA comments or corrections on the original submittal.

IX. Performance Measures and Quality Assurance

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The TC and the TOCOR are authorized to provide technical communication that clarifies the PWS as set forth in this work assignment. Before accepting any action under technical direction, the contractor shall ensure that the technical direction falls within the scope of work for this work assignment. Technical direction may be issued orally and then confirmed in writing by the TOCOR; within five (5) calendar days after verbal issuance. Technical direction includes: (1) information to the contractor that assists the contractor in accomplishing the PWS and (2) comments on and approval of reports and other deliverables.

The TC will forward technical communications for the contractor to the TOCOR for concurrence and transmittal to the contractor. Technical direction must be within the scope of the contract, PWS and approved proposal. The TC is not authorized to make changes to this PWS, proposal or contract. Any deviation from the approved proposal or REPA contract must be authorized by the Contracting Officer. Where substitutions become necessary, they will be authorized by the Contracting Officer and not via technical direction.

XI. Schedule of Deliverables

Task	Description	Deliverable
1.0	Task Order Proposal	15 days post receipt of Task Order Request from the Contracting Officer
2.0	Assistance Request Technical Direction Discussion	Within 5 days of receipt a Technical Directive (TD) Assistance Request from the TOCOR
2.1	Prepare and submit a brief work plan description and schedule for the requested assistance for TOCOR approval by written TD.	5 days after the Task 2.0 Conference regarding the specifically requested assistance
3.0	Submittal of Deliverables	Per approved Requested Assistance Task Schedule for Deliverables*
3.1	Final Deliverable for Requested Assistance	15 days post receipt of any EPA comments on original draft Deliverable submitted.

* The schedule of deliverables shall be dependent upon the assistance requested and shall be discussed and detailed in the Assistance Request Technical Direction Discussion per Task 2. The TOCOR shall approve the detailed schedule for each assistance request in a written technical direction prior to the contractor proceeding with any additional work on the request.

E[-W-12-031 TASK ORDER 4403 MOD SUMMARY

Mod #	Reason For Modification	Status	Award Date	Obligation	Total Amount
BASE		Released	8/5/2013	\$0.00	\$369,327.00
004	Supplemental Agreement for work within scope	Released	9/4/2014	\$0.00	\$0.00
003	Funding Only Action	Released	7/21/2014	\$96,327.00	\$0.00
002	Funding Only Action	Released	3/21/2014	\$100,000.00	\$0.00
001	Funding Only Action	Released	8/5/2013	\$173,000.00	\$0.00
					\$369,327.00

ORDER FOR SUPPLIES OR SERVICES

PAGE OF PAGES

1

2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER 10/07/2014		2. CONTRACT NO. (If any) EP-W-12-031		6. SHIP TO: a. NAME OF CONSIGNEE Region 4	
3. ORDER NO. 4405		4. REQUISITION/REFERENCE NO. PR-R4-14-00434			
5. ISSUING OFFICE (Address correspondence to) SRRPOD US Environmental Protection Agency Ariel Rios Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3805R Washington DC 20460				b. STREET ADDRESS US Environmental Protection Agency Atlanta Federal Center 61 Forsyth Street, SW	
				c. CITY Atlanta	e. ZIP CODE 30303-3104
7. TO: HEATHER TEED				f. SHIP VIA	
a. NAME OF CONTRACTOR BOOZ ALLEN HAMILTON INC.				8. TYPE OF ORDER	
b. COMPANY NAME				<input type="checkbox"/> a. PURCHASE <input checked="" type="checkbox"/> b. DELIVERY REFERENCE YOUR: _____ Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.	
c. STREET ADDRESS 8283 GREENSBORO DRIVE				Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.	
d. CITY MCLEAN		e. STATE VA	f. ZIP CODE 221023838		
9. ACCOUNTING AND APPROPRIATION DATA See Schedule				10. REQUISITIONING OFFICE Region 4	

11. BUSINESS CLASSIFICATION (Check appropriate box(es)) <input type="checkbox"/> a. SMALL <input checked="" type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. SERVICE-DISABLED VETERAN-OWNED <input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM <input type="checkbox"/> h. EDWOSB				12. F.O.B. POINT	
13. PLACE OF a. INSPECTION Destination		b. ACCEPTANCE Destination		14. GOVERNMENT B/L NO.	
				15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	
16. DISCOUNT TERMS					

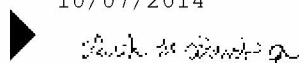
17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	DUNS Number: 006928857 EPA Region 4 RCRA Program Oversight This Time-and-Material Task Order is hereby initiated approving the Contractor's proposal dated September 15, 2014 in the Continued ...					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		17(h) TOTAL (Cont. pages)
	21. MAIL INVOICE TO:						
	a. NAME RTP Finance Center						\$0.00
	b. STREET ADDRESS (or P.O. Box) US Environmental Protection Agency RTP-Finance Center Mail Drop D143-02 109 TW Alexander Drive						
c. CITY Durham				d. STATE NC	e. ZIP CODE 27711	\$494,628.00	17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY (Signature)

10/07/2014



ELECTRONIC SIGNATURE

23. NAME (Typed)
Derek Davis
TITLE: CONTRACTING/ORDERING OFFICER

ORDER FOR SUPPLIES OR SERVICES

SCHEDULE - CONTINUATION

PAGE NO
2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER 10/07/2014	CONTRACT NO. EP-W-12-031	ORDER NO. 4405
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ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
0003	<p>amount of \$494,628.00. Funding in the amount of \$227,000.00 is provided which the contractor is not authorized to exceed.</p> <p>All other terms and conditions remain unchanged and in full force and effect. TOPO: Brian Bastek Admin Office: SRRPOD US Environmental Protection Agency Ariel Rios Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3805R Washington DC 20460 Period of Performance: 10/07/2014 to 09/12/2015</p> <p>RCRA Program Oversight</p> <p>Accounting Info: 14-15-B-04-303D99-2505-1404TK4014-001 BFY: 14 EFY: 15 Fund: B Budget Org: 04 Program (PRC): 303D99 Budget (BOC): 2505 DCN - Line ID: 1404TK4014-001 Funding Flag: Complete Funded: \$227,000.00</p> <p>The obligated amount of award: \$227,000.00. The total for this award is shown in box 17(i).</p>					

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$0.00

U.S. Environmental Protection Agency, Region 4
CONTRACT NUMBER: EP-W-12-XXX
CONTRACT NAME: REPA 5, Zone 2
CONTRACTOR NAME: TBD
REGIONAL TASK ORDER NUMBER: 4405
September 18, 2012

I. TITLE

RCRA Corrective Action Program Oversight

REPA Task Order# 4405

This Task Order will include assistance requests related to the following RCRA REPA 5, Zone 2 Contract identified Tasks and Subtasks :

- Task 1: Technical Reviews & Analysis/Assessment Support,
 - Subtask 1.1 Technical Reviews,
 - Subtask 1.2 Technical Analysis/Assessment Support & Document Preparation,
- Task 2: Field Oversight, Inspection, Sampling & Data Review,
 - Subtask 2.1 Field Audit/Oversight & Inspections,
 - Subtask 2.2 Field Sampling,
 - Subtask 2.3 Data Review (Validation, Evaluation, & Reporting),
- Task 4: Records and Data Management,
 - Subtask 4.1 Records Management,
 - Subtask 4.2 Data management,
- Task 5: Training, Conferences, Community Engagement & Public Involvement,
 - Subtask 5.1 Training & Conference Support, and,
 - Subtask 5.2 Public Involvement, Community Engagement & Outreach Activities.

II. CONTRACT OFFICER REPRESENTATIVES

Contract Level Task Order Contract Officer Representative (Contract Level COR)

Brian Bastek
Project Manager
Corrective Action Section, RUST Branch
RCRA Division
U.S. Environmental Protection Agency, Region 4
10th Floor – Sam Nunn Atlanta Federal Center
61 Forsyth Street, S.W.
Atlanta, GA 30303
Ph: 404-562-8511
Fax: 404-562-8439
eMail: bastek.brian@epa.gov

EPA Task Order Contract Officer Representative (TOCOR)

Denise Housley
Senior RCRA Program Specialist
Corrective Action Section, RUST Branch
RCRA Division
U.S. Environmental Protection Agency, Region 4

10th Floor – Sam Nunn Atlanta Federal Center
61 Forsyth Street, S.W.
Atlanta, GA 30303
Ph: 404-562-8495
Fax: 404-562-8439
eMail: housley.denise@epa.gov

The Contract Level COR will be the point of contact with the Contractor's program manager. The TOCOR will act as the technical and administrative point of contact between EPA and the Contractor's Task Order Manager (TOM.) The Technical Contacts will be identified by the TOCOR for each facility or project. The Technical Contact will act as the technical advisor for EPA and the Contractor's staff.

III. AUTHORIZATION

This Performance Work Statement (PWS) is in accordance with RCRA REPA 5, Zone 2 Contract PWS

- Task 1: Technical Reviews & Analysis/Assessment Support,
 - Subtask 1.1 Technical Reviews,
 - Subtask 1.2 Technical Analysis/Assessment Support & Document Preparation,
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 - Subtask 5.1 Training & Conference Support, and,
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IV. PERIOD OF PERFORMANCE

The period of performance for this Task Order, (TO) is from the date of Contracting Officer issuance through September 30, 2017.

V. BACKGROUND

The Corrective Action Section [CAS] is the lead organizational unit responsible for the implementation and oversight of the RCRA Corrective Action Program associated with hazardous waste management permits, post closure permits, closures, remedial actions, various types of orders directing corrective action, interim measures, voluntary investigations, remediation, necessary public participation and outreach related to corrective action in Region 4. CAS oversees the RCRA Corrective Action Program in the seven southeastern states within EPA Region 4 and issues the HSWA Corrective Action permits in the State of Mississippi.

Government Performance and Results Act Goals

Many of the GPRA Goals for the Region are achieved through the efforts of the RCRA Corrective Action Program. Corrective Action under RCRA can be implemented through a number of enforceable documents as appropriate for the uniqueness of the facility's situation.

The RCRA CA Program issues and modifies RCRA HSWA permits to impose corrective action and to issue final decisions on remedies for Solid Waste Management Units (SWMU). A HSWA permit is part of the full RCRA permit and is necessary for a facility to be fully RCRA permitted.

Additionally, much of RCRA corrective action is accomplished via various types of court orders that direct environmental facility investigation, sampling and analysis, remedy and technology assessment, remedy installation and operation as well as remedy performance evaluation.

Corrective action oversight involves technical review and analysis of a variety of documentation as well as on-site activity evaluation, sampling and analysis work, research on best available and developing remedy and assessment technologies, risk assessment and air and groundwater modeling, fate and transport. Documents may involve research to provide background information on facility history, ownership and financial standing.

Corrective Action public involvement and Community Engagement are significant aspects of remedy selection, implementation and installation. Common community Engagement efforts include the design, development, coordination, maintenance and presentation of: 1. Workshops and meetings related to facility specific remediation information and issues, 2. Basic training for understanding the Corrective Action process, 3. Corrective Action progress updates and factsheet, mailings, 4. Visual aids, charts, diagrams, 5. Repository websites and hardcopy collections for a specific Corrective Action project.

VI. OBJECTIVE/PURPOSE

The EPA requests the contractor use their experienced personnel to assist EPA Region 4 with the implementation and oversight of corrective action per RCRA orders and permits. Experience and knowledge requested includes oversight of sampling and analysis; community engagement; data management; remediation technology design, installation and operation; risk assessment; environmental media investigation design and oversight. The contractor may be requested to provide experience personnel to accomplish any of the tasks identified in the Section V. Background description above. Further,

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EP-W-12-031 -TASK ORDER 4406 -MOD SUMMARY (FUNDING AND ADMIN)

Mod #	Reason For Modification	Status	Award Date	Obligation
BASE		Released	1/26/2016	\$50,000.00
007	Supplemental Agreement for work within scope	Released	12/15/2016	\$0.00
006	Supplemental Agreement for work within scope	Released	8/18/2016	\$0.00
005	Funding Only Action	Released	7/14/2016	\$8,600.00
004	Funding Only Action	Released	7/11/2016	\$9,086.14
003	Funding Only Action	Released	6/29/2016	\$5,792.38
002	Funding Only Action	Released	5/13/2016	\$52,500.00
001	Funding Only Action	Released	4/20/2016	\$182,413.85

[illegible]

ORDER FOR SUPPLIES OR SERVICES

PAGE OF PAGES

1

2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER 01/26/2016		2. CONTRACT NO. (If any) EP-W-12-031		6. SHIP TO: a. NAME OF CONSIGNEE Region 4	
3. ORDER NO. 4406		4. REQUISITION/REFERENCE NO. PR-R4-16-00107			
5. ISSUING OFFICE (Address correspondence to) SRRPOD US Environmental Protection Agency Ariel Rios Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3805R Washington DC 20460				b. STREET ADDRESS US Environmental Protection Agency Atlanta Federal Center 61 Forsyth Street, SW	
				c. CITY Atlanta	e. ZIP CODE 30303-3104
7. TO: HEATHER TEED				f. SHIP VIA	
a. NAME OF CONTRACTOR BOOZ ALLEN HAMILTON INC.				8. TYPE OF ORDER	
b. COMPANY NAME				<input type="checkbox"/> a. PURCHASE <input checked="" type="checkbox"/> b. DELIVERY REFERENCE YOUR: Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.	
c. STREET ADDRESS 8283 GREENSBORO DRIVE				Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.	
d. CITY MCLEAN		e. STATE VA	f. ZIP CODE 221023838		
9. ACCOUNTING AND APPROPRIATION DATA See Schedule				10. REQUISITIONING OFFICE	

11. BUSINESS CLASSIFICATION (Check appropriate box(es))				12. F.O.B. POINT Destination	
<input type="checkbox"/> a. SMALL <input type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. SERVICE-DISABLED VETERAN-OWNED <input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM <input type="checkbox"/> h. EDWOSB					
13. PLACE OF		14. GOVERNMENT B/L NO.		15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	
a. INSPECTION Destination	b. ACCEPTANCE				

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	DUNS Number: 006928857 EPA Region 4 RCRA Program Oversight This Time-and-Material Task Order is hereby initiated approving the Contractor's proposal dated November 19, 2015 in the Continued ...					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		17(h) TOTAL (Cont. pages)
	21. MAIL INVOICE TO:						
	a. NAME RTP Finance Center						\$0.00
	b. STREET ADDRESS (or P.O. Box) US Environmental Protection Agency RTP-Finance Center Mail Drop D143-02 109 TW Alexander Drive						
c. CITY Durham				d. STATE NC	e. ZIP CODE 27711		17(i) GRAND TOTAL

\$344,142.46

22. UNITED STATES OF

AMERICA BY (Signature)

01/26/2016

Derek Davis

ELECTRONIC SIGNATURE

23. NAME (Typed)

Derek Davis

TITLE: CONTRACTING/ORDERING OFFICER

ORDER FOR SUPPLIES OR SERVICES
SCHEDULE - CONTINUATION

PAGE NO
2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER	CONTRACT NO.	ORDER NO.
01/26/2016	EP-W-12-031	4406

ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
0004	<p>amount of \$344,142.46. Funding in the amount of \$50,000.00 is provided which the contractor is not authorized to exceed.</p> <p>All other terms and conditions remain unchanged and in full force and effect. TOCOR: Brian Bastek Admin Office: SRRPOD US Environmental Protection Agency Ariel Rios Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3805R Washington DC 20460 Period of Performance: 01/26/2016 to 09/12/2016</p> <p>EPA Region 4 RCRA Program Oversight</p> <p>Accounting Info: 16-17-B-04-303D99-2505-1604TK6002-001 BFY: 16 EFY: 17 Fund: B Budget Org: 04 Program (PRC): 303D99 Budget (BOC): 2505 DCN - Line ID: 1604TK6002-001 Funding Flag: Complete Funded: \$50,000.00</p>					

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$0.00

U.S. Environmental Protection Agency, Region 4
CONTRACT NUMBER: TBD
CONTRACT NAME: REPA 5, Zone 2
CONTRACTOR NAME: TBD
REGIONAL TASK ORDER NUMBER: 4406

PERFORMANCE WORK STATEMENT

1. TITLE: RCRA Program Oversight

This Task Order will include assistance requests related to the following RCRA REPA 5, Zone 2 Contract identified Tasks and Subtasks :

Task 1: Technical Reviews & Analysis/Assessment Support,
 Subtask 1.1 Technical Reviews,
 Subtask 1.2 Technical Analysis/Assessment Support & Document Preparation,
Task 2: Field Oversight, Inspection, Sampling & Data Review,
 Subtask 2.1 Field Audit/Oversight & Inspections,
 Subtask 2.2 Field Sampling,
 Subtask 2.3 Data Review (Validation, Evaluation, & Reporting),
Task 3: Enforcement Negotiation and Litigation Support,
 Subtask 3.1 Case Development,
 Subtask 3.2 General Enforcement Negotiation Support,
 Subtask 3.3 Expert Witness/Consultant Support,
Task 4: Records and Data Management,
 Subtask 4.1 Records Management,
 Subtask 4.2 Data management,
Task 5: Training, Conferences, Community Engagement & Public Involvement,
 Subtask 5.1 Training & Conference Support, and,
 Subtask 5.2 Public Involvement, Community Engagement & Outreach Activities,
Task 6: Special Initiatives, Studies and Program Support.

2. CONTRACTING OFFICER REPRESENTATIVES

EPA Contract Level Contracting Officer's Representative (CL COR)

Brian Bastek
Project Manager
RCRA Corrective Action & Permits Section (RCAPS)
RCRA Cleanup & Brownfields Branch (RCBB)
Resource Conservation & Restoration Division (RCRD)
U.S. Environmental Protection Agency, Region 4
10Th Floor – Sam Nunn Atlanta Federal Center
61 Forsyth Street, S.W.
Atlanta, GA 30303
Ph: 404-562-8511
Fax: 404-562-8439
eMail: bastek.brian@epa.gov

EPA Task Order Contracting Officer's Representative (Alternate CL COR/Task Order COR)

Denise Housley
RCRA Program Specialist
RCAPS, RCBB, RCRD
U.S. Environmental Protection Agency, Region 4
10th Floor – Sam Nunn Atlanta Federal Center
61 Forsyth Street, S.W.
Atlanta, GA 30303
Ph: 404-562-8495
Fax: 404-562-8439
eMail: housley.denise@epa.gov

The Contract Level COR will be the point of contact with the Contractor's program manager. The TOCOR will act as the technical and administrative point of contact between EPA and the Contractor's Task Order Manager (TOM.) The TOCOR will act as the technical advisor for EPA and the Contractor's staff.

3. AUTHORIZATION

This Performance Work Statement (PWS) is in accordance with RCRA REPA 5, Zone 2 Contract PWS

Task 1: Technical Reviews & Analysis/Assessment Support,
 Subtask 1.1 Technical Reviews,
 Subtask 1.2 Technical Analysis/Assessment Support & Document Preparation,
Task 2: Field Oversight, Inspection, Sampling & Data Review,
 Subtask 2.1 Field Audit/Oversight & Inspections,
 Subtask 2.2 Field Sampling,
 Subtask 2.3 Data Review (Validation, Evaluation, & Reporting),
Task 3: Enforcement Negotiation and Litigation Support,
 Subtask 3.1 Case Development,
 Subtask 3.2 General Enforcement Negotiation Support,
 Subtask 3.3 Expert Witness/Consultant Support,
Task 4: Records and Data Management,
 Subtask 4.1 Records Management,
 Subtask 4.2 Data management,
Task 5: Training, Conferences, Community Engagement & Public Involvement,
 Subtask 5.1 Training & Conference Support, and,
 Subtask 5.2 Public Involvement, Community Engagement & Outreach Activities,
Task 6: Special Initiatives, Studies and Program Support.

4. PERIOD OF PERFORMANCE

The period of performance for this Task Order, (TO) is from the date of Contracting Officer issuance through September 12, 2016.

5. BACKGROUND

The Resource Conservation and Restoration Division (RCRD) of the U.S. Environmental Protection Agency, Region 4 is the lead organizational unit responsible for the implementation and oversight of the RCRA Program associated with hazardous waste management, hazardous waste and hazardous constituent remedial actions, compliance assistance and inspections, enforcement case development and negotiations, various types of orders

directing RCRA compliance and corrective action, interim measures, voluntary investigations, hazardous waste permitting (including RCRA Organic Air Emission Standards), environmental risk assessments, background studies, hazardous waste combustion/open burn/open detonation/miscellaneous unit evaluation and permitting, waste determinations, closure of operating hazardous waste management units, necessary public participation, training and outreach related to the RCRA Program in Region 4 and in the Region's eight southeastern states.

Government Performance and Results Act Goals

In 1993, Congress passed, and the President signed, the Government Performance and Results Act (GPRA). GPRA placed new management expectations and requirements on federal agencies. GPRA provides a way to create fiscal accountability for federal programs. Pursuant to GPRA, departments and agencies must clearly describe the goals and objectives of their programs, identify resources and actions needed to accomplish these goals and objectives, develop a means of measuring their progress, and regularly report on their achievements. This approach also seeks to improve congressional decision making by clarifying and stating program performance goals, costs, and results "up front."

In response to GPRA's requirements for more effective planning, budgeting and program evaluation, in 2005, the RCRA Program began measuring its RCRA Corrective Action progress through two facility-wide RCRA Environmental Indicators. Current Human Exposures Under Control (CA725) and Migration of Groundwater Contamination Under Control (CA750). For the 2008 GPRA Cleanup Baseline; two new goals were added: Remedy Decision (CA400), (Remedy) Construction Complete (CA550), Ready for Anticipated Use (CA800), Corrective Action Performance Standards Attained (CA900) and Corrective Action Process Terminated (CA999). For RCRA Permitting, performance is measured by initial and renewal permit issuances. For RCRA compliance and enforcement, performance is measured by the number of Number of NOAV/ Warning Letters (120s/140s), Show Cause/ Informal meetings (130s) as well as the number of inspections.

Many of the Region's GPRA Goals are achieved through the efforts of the RCRA Program and the RCRD. The RCRA Program is administered in coordination with the authorized states and can be implemented through a number of enforceable documents as appropriate for the uniqueness of the facility's situation.

The RCRD and RCRA Program-authorized states issue and administers permits for hazardous waste management operations which includes the imposition of corrective action and remedy selection decisions for identified environmental releases. A HSWA permit is part of the full RCRA hazardous waste management permit and is necessary for a facility to be fully permitted under the RCRA Program.

RCRA Program oversight assistance involves technical review and analysis of a variety of documents as well as on-site activity evaluations, sampling and analysis work, research on waste management technology, remedies and assessment technologies; risk assessment and air and groundwater modeling; contaminant fate and transport, and development of conceptual site models. Documents may involve research of various types of legal and geographic information to provide background information on a facility's current and historical site operations, waste management practices, ownership and financial standing.

The RCRD evaluates permit and modification applications to issue a decision approving or denying RCRA permits to facilities in states which are not authorized for all RCRA standards. The federal RCRA Program also provides technical assistance as requested or agreed with the authorized state.

Though Projects reviewed under this TO could consist of a variety of traditional RCRA-subject Hazardous Waste Management Units, the reviews will primarily involve highly complex technical reviews of RCRA Organic Air Emission Standards-subject facilities, combustion, thermal treatment, and open burn/open detonation (OB/OD) units. RCRA-subject combustion units present unique site-specific permitting situations requiring specialized expertise and knowledge to achieve controls in place:

- In November 1994, EPA finalized a national strategy for hazardous waste minimization and combustion. One of the eight stated goals of this strategy was to develop and impose more rigorous controls on combustion facilities and to ensure that hazardous waste combustion facilities do not pose an unacceptable risk to human health or the environment. Since that time, the most significant tool developed to determine if combustion facilities pose an unacceptable risk to human health and the environment is the risk assessment which addresses both direct and indirect exposure pathways. In order to ensure that facilities are planning and designing combustion and other risk assessments pursuant to established guidance and current methodologies. Owners and operators of facilities are required to submit air modeling, quality assurance and human health and ecological risk assessment protocols which describes the steps, protocols, methodologies, and processes they will follow in conducting their human health and ecological risk assessment appropriate to their unique situation. In the case of combustion and thermal treatment units, once the risk burn has been completed, a final health and ecological risk assessment report and air modeling report will be submitted along with the risk burn report to demonstrate that storage, treatment and disposal operations at the facility does not pose an unacceptable risk to human health or the environment for the Agency's review, concurrence and/or development of necessary risk-based hazardous waste management permit conditions.
- Some hazardous waste combustion facilities are subject to the Clean Air Act standards of Part 63, Subpart EEE. Hazardous waste combustion facilities subject to Part 63, Subpart EEE Maximum Achievable Control Technology (MACT EEE) standards are generally not anticipated to pose an unacceptable risk to human health or the environment. However, uncertainties remain, and additional controls may be warranted in some cases. The omnibus provision (codified in 40 CFR § 270.32(b)(2)) directs the RCRA permitting authority to include terms and conditions in the RCRA permit as necessary to ensure protection of human health and the environment. For those hazardous waste combustion facilities subject to RCRA Part 264 Subpart O or Part 266, Subpart H standards, omnibus conditions may be necessary because the MACT EEE performance standards do not directly address potential risks associated with indirect exposures (e.g., pathways other than direct inhalation).
- MACT EEE does not address direct burning, startup and malfunction or closure of combustion systems which remain to be addressed in the RCRA/HSWA permit. Per the CAA and RCRA Statutes, though RCRA is not duplicative of the CAA, the CAA requirements must be equivalent to or more stringent than RCRA's requirements. RCRA evaluation of the combustion unit for protectiveness of human health and the environment is required due to the CAA being a technology only based program and does not consider site-specific conditions or operations in permitting.
- CAA authority prohibits imposition of requirements that are more stringent than that of the MACT. However, RCRA is a risk-based statute and is designed to fill gaps in the CAA MACT requirements, especially for risks to human health and the environment providing for the imposition of more stringent conditions than MACT when necessary. RCRA is responsible for evaluating the parameters and criteria set for a hazardous waste

combustor and set any additional conditions based on the hazardous waste combustor's risk assessment and reevaluation as necessary, should the facility modify its operations, wastes managed or unit's construction that make the current risk assessment unrepresentative of the risks posed by changes in the unit's operation. If changes to the unit's operations have made the risk assessment unrepresentative, the RCRA Program must determine the need for new performance testing, air modeling, and risk assessment. Should the new risk assessment indicate unacceptable risk, the RCRA permit would be modified to include new conditions to ensure human health and the environment.

- In addition to traditional combustion units, Subpart X Miscellaneous Units (i.e., thermal treatment, chemical and mechanical treatment, open burn/open detonation units) are permitting targets requiring an equivalent level of expertise to ensure appropriate controls are in place to protect human health and the environment as does combustion units.
- Subpart X Miscellaneous Units present technical challenges to permitting controls and monitoring. Treatment process controls, effective in control of traditional units are not generally applicable to miscellaneous units and, in most cases, cannot ensure protection of human health or the environment or safe unit operation without expert unit-specific review and crafting of custom permit controls.
- The Subpart X Miscellaneous unit universe primarily consists of thermal treatment and open burning. However, chemical agent demilitarization involving specialized mechanical systems and chemical treatment systems are also regulated and require a RCRA hazardous waste management permit. Specialized experience in chemical engineering, mechanical and systems engineering, chemistry, air modeling and risk assessment, and RCRA miscellaneous unit application review are required to appropriately and adequately review technical documents associated with open burning, detonation, mechanical and specialized chemical treatments used in chemical agent demilitarization systems.

In addition to permits, the RCRA Program is accomplished via various types of administrative and court orders that can direct the subject facility to investigate waste and contaminant releases; sample and analyze environmental media; remove or remedy releases to environmental media; or modify waste management operations for RCRA compliance; do technology/remedy assessments; install and operate selected release remedies; perform exposure and remedial goal risk assessments; as well as remedy performance evaluations.

Public involvement and Community Engagement are significant aspects of the RCRA Program and can be specific to the RCRA facility. Common community engagement efforts include the design, development, coordination, maintenance and presentation of: 1. Workshops and meetings related to facility specific activities and issues, 2. Basic training for understanding the RCRA Program processes, 3. Corrective Action progress updates and factsheet, mailings, 4. Visual aids, charts, diagrams, 5. Repository websites and hardcopy collections for a specific RCRA facility or project.

RCRA Program training is an essential business practice to ensure consistent Program administration across the Country, Region and among all states. RCRA Program specific training must be developed and updated periodically and presented to EPA and state staff at various locations within the Region.

6. OBJECTIVE/PURPOSE

The contractor shall use personnel with experience appropriate to adequately complete the Performance Work Statement task. Experience and knowledge expected to be requested under this Task Order includes:

Corrective Action:

Oversight of Corrective Action related to review of environmental media investigations, sampling and analysis plans and reports; environmental media analytical result evaluation and validation, Corrective Action community engagement; data management; remediation technology design, installation and operation; Corrective Action risk assessments related to human and ecological exposure and remedy cleanup criteria; environmental media investigation design and oversight, base RCRA Program and Corrective Action topic training. The contractor may be requested to provide appropriately experienced personnel to accomplish any of the tasks identified in the Section V. Background description above. Further,

- The contractor shall support EPA Region 4 staff in reviewing or overseeing corrective action related information collection, evaluation, documentation, and assessment of site-specific information and the development of orders for RCRA facilities subject to corrective action. The contractor maybe be requested to review human health and ecological risk assessments for the purposes of determining and selecting appropriate Corrective Action remedies or evaluating the threats posed by a facility, to assist with historical photo interpretation and analysis, to assist with contaminant fate and transport modeling in soil and groundwater, to do air dispersion and deposition modeling of contaminants related to site Corrective Action contaminant migration or risk assessment, and to evaluate proposed remedy selections. Common reviews EPA may request include, but are not limited to: waste determinations, Corrective Action enforceable documents, RCRA Facility Assessments (RFAs), RCRA Facility Investigations (RFIs), Corrective Measure Studies (CMS), Corrective Measure Design and Implementation Reports, financial assurance documents, risk assessment documents, Site Evaluation Reports, Closure Plans, Statements of Basis, Environmental Indicator documents, Field Sampling Plans (FSPs), and Quality Assurance Project Plans (QAPPs), Records of Decision (RODs), treatability studies, Site Characterization Information.
- The contractor shall support EPA Region 4 staff in overseeing activities such as Corrective Action investigations, sampling and analysis and data validation per EPA Region 4 Science & Ecological Support Division (SESD) guidelines, oversight remedy and well installation, and completing limited independent Corrective Action related field studies involving sampling, analysis, and data validation and evaluation for RCRA facilities subject to corrective action identified via Technical Direction by the TOCOR or CL COR. Common Corrective Action field oversight EPA may request include, but not limited to RCRA REPA, Zone 2 Contract PWS Subtasks 2.1, 2.2 and 2.3,
- The contractor shall support EPA Region 4 staff in Corrective Action related document and data management, web publication of public information, hardcopy and electronic repository creation and management, including but not limited to RCRA REPA 5, Zone 2 Contract PWS, Subtasks 4.1 and 4.2.
- The contractor shall support EPA Region 4 staff in Corrective Action related training, community engagement meetings and public communications. Support that EPA may request include, but are not limited to those listed in RCRA REPA 5, Zone 2 Contract PWS, Subtasks 5.1, 5.2.

RCRA Permitting & Modifications:

EPA requests the Contractor to provide assistance to EPA Region 4 and states in determining whether RCRA Part B permit applications and technical documents reviewed under this TO, are regulatorily complete and technically adequate in accordance with current appropriate regulatory requirements, guidance, permit checklists and other relevant information sources.

This TO may include observation of performance testing for conformance to approved test plans, performance of air dispersion modeling and combustion risk assessment per the facility's established protocols by the Contractor to reconfirm the representativeness and risks due to changes in operation. In addition, the Contractor will be requested to review facility air dispersion modeling and risk assessment plans, performance test plans and results, and risk assessment results for both human health and ecological risk assessments.

The work requested is provided for in the general category of Task 1 of the REPA 4 Zone 2 Contract PWS; Technical Reviews & Analysis/Assessment Support.

RCRA Compliance & Enforcement:

Requests for Contractor assistance related to RCRA compliance and enforcement may include: expert witnesses and consultants to assist EPA in the support of civil and criminal actions, administrative orders and hearings, negotiations and settlement meetings, and other settlement-related proceedings; inspection sampling, analysis, data interpretation and reporting; and other work provided for in the general category of Task 3 of the REPA 4 Zone 2 Contract PWS.

7. ASSUMPTIONS AND CONSTRAINTS

Complexity:

Level of Complexity: Low Complexity to High Complexity depending on the assistance requested.

This TO is anticipated to be predominantly highly complex in technical difficulty, overseen by senior scientist and engineers with support from mid level and junior scientists and engineers, and experts with significant and appropriate experience associated with the work requested. The Contract personnel assigned to this TO shall have appropriate expertise for each task or subtask requested.

For permitting assistance requests relating to combustion, thermal treatment, open burn and open detonation, Contract personnel assigned to this TO shall have appropriate significant expertise specifically relating to RCRA Combustion and Thermal Treatment (i.e., mechanical, system structural and chemical engineering, chemistry, combustion/thermal treatment systems, munitions expertise, RCRA Hazardous Waste Combustion permit and permit processing knowledge, RCRA application review experience) and RCRA Organic Air Emission Standards knowledge, interpretation and application.

Additionally, technical air model and risk assessment reviewers shall have qualifications and experience as outlined below:

Air Modeler: The air modeler reviewing projects submitted under this Task Order shall have significant experience, knowledge and proficiency in using current versions of EPA's

standard air modeling applications (i.e., Industrial Source Complex Short-Term Model (ISCST), Open Burn/Open Detonation Model (OBODM)) and appropriate model use in generating concentration and deposition data for use in hazardous waste combustor, thermal treatment and OB/OD unit human health and ecological risk assessments. Experience shall encompass: 1) use of meteorological and building profile preprocessing programs; 2) use of digital land use databases; 3) preparation of input files; 3) execution of multiple model runs to generate vapor phase, particle phase, and particle-bound phase data; and 5) integration of model output into software designed to predict risk at RCRA combustion and OB/OD hazardous waste management units (i.e., Risk Burn Guidance for Hazardous Waste Combustion Facilities, Human Health Risk Assessment Protocol (HHRAP) for Hazardous Waste Combustion Facilities - Final, Screening Level Ecological Risk Assessment Protocol for Hazardous Waste Combustion Facilities - Peer Review Draft).

Toxicologist/Risk Assessor: The risk assessments conducted under this TO shall require the expertise of a person with demonstrated proficiency in performing risk assessments according to the most current revision of Human Health Risk Assessment Protocol (HHRAP) for Hazardous Waste Combustion Facilities - Final, and CERCLA Ecological Risk Assessment Guide, Screening Level Ecological Risk Assessment Protocol for Hazardous Waste Combustion Facilities - Peer Review Draft. Proficiency knowledge of combustion risk assessment software shall also be demonstrated as necessary, for comprehensive technical review of the risk assessments contained in the requested project reviews under this TO.

Deliverable Format:

All electronic deliverables shall be scanned for viruses prior to delivery to EPA.

Unless otherwise specified, all source electronic deliverables shall be generated in the following proprietary formats depending on the type of file:

- Microsoft Word
- Excel
- Adobe Acrobat Portable Document Format, and
- For data, the contractor shall use EPA Region 4 standard electronic data deliverable (EDD) format (See www.epa.gov/region4/waste/sf/edd/edd.html for more information.)

The Contractor shall provide deliverables via hard copy, electronic file transfers and flash drive format. If information should require an alternative format, the Contractor shall request the TOCOR approve the alternative format prior to delivering the information in the alternative format.

8. SCOPE

Task 1.0 Pre-Award Meeting and Proposal

Contractor shall prepare a Task Order proposal based on the tasks and effort listed in this Task Order Section (i.e., Task 1.0) below. The proposal should include a detailed cost breakdown of travel, equipment, services, analysis/lab costs and labor based on the contractor's historical average costs for such equipment and services in Region 4. EPA will request specific assistance under this TO by technical directive. Region 4's technical directives may request assistance under this TO, for any RCRA subject facility in Region 4

varying in complexity from low to high. If cost is a concern, EPA may request a cost breakdown of an individual technical directive and the cost of the requested assistance.

For the purpose of cost estimation for this Performance Work Statement, the contractor should assume the following number of assistance requests might be made in total. The contractor should estimate based on the contractor's experience and recent, average costs for similar tasks/subtasks of similar complexity:

- Review 10 technical documents. [300 pgs/document, 300 pages of data, 10 Appendices, 50 pages each appendix, senior review expertise] [5 moderate complexity RCRA permit applications, 5 complex RFI Report Reviews] [1 draft, 1 final.] [1 cursory conference call.]
- Preparation of 3 research projects of moderate to high complexity which may require data gathering/file reviews at EPA Region 4 and/or the state. [Assume all are historical aerial photography interpretation/analysis report for moderate complexity facilities.] [Desktop only, No trips.] [Requires a report as the deliverable with analysis of photos including all collected photos.] [Assume no request for environmental indicators analysis.]
- Hold 6 public information and participation meetings (not exceeding 2 hours in duration for approximately 75 persons) [1, 1-hr presentation per meeting] [1, 2-page factsheet per meeting, 75 people per meeting] [1 poster per meeting] [No court reporters or interpreters required], including setup for and facilitation/presentation of information at the location [assume a meeting room for 75 people, in Hattiesburg, MS, and requires setup/teardown, does not require post-meeting survey and does not require registration], acquiring the location, publication of the meeting announcement in a local newspaper and on the local radio once. Distribution to mailing list. [Assume 1, 2-page factsheet per meeting to 75 people. Assume no speaker coordination or assistance with speaker presentation materials.] This task is generally anticipated to be of low complexity.
- Oversight of 5 on-site events [1 person per oversight event for 5 days per oversight event working 10-hr days. All oversight events will be in Hattiesburg, MS] and collection of 5 split samples/event [1 split per media (i.e., soil, groundwater, sediment) per oversight event], Level 4 Data Package Data validation and reporting (per EPA Region 4 SESD criteria) should be assumed for all oversight events for at least 3 samples. Complexity of this task is site-specific and generally anticipated to require a combination of labor and activities ranging in complexity from moderate to high complexity depending upon the sampling and analysis being performed and whether split sampling with a RCRA facility or site is requested.
- Conduct 2 independent field sampling events averaging 15 samples per event. [10 samples must be grabbed at each independent sampling event. It is a 15-30 mile drive to the FedEx drop at each sampling event in Hattiesburg, MS.] [Assume 2 average moderate complexity sites/facilities both in Hattiesburg, MS.] [Media to be sampled, soil, groundwater, sediment][5 soil, 5 groundwater collected via direct push or existing monitoring well, 5 sediment][No temporary or permanent wells will be installed, all groundwater will be collected using direct push only. The 5 groundwater samples will be collected direct push.] All field sampling shall include analysis [VOC, Metals, and Dioxin for each of the 15 samples collected at each independent sampling event.][1 split for each media, soil, groundwater, sediment.], data validation [Level 4 Data Package validation for each sample at each sampling event.], interpretation of observations or sampling results in relation to RCRA compliance status or in relation to EPA standards (such as Regional Screening Levels (RSLs)), and reporting. [The trip report shall include: data evaluation and summary data tables, groundwater flow analysis, figures depicting groundwater elevations at MWs and inferred potentiometric surface maps, borehole log diagrams and fence diagrams.] Level 4 Data Package Data Validations (per EPA Region 4 SESD criteria) for each field event by a third party validator should be assumed. Complexity of this task is

site-specific and generally anticipated to require a combination of labor and activities to accomplish ranging in complexity from low to high complexity depending upon if the labor assigned (i.e., field equipment operation, sample collection to field investigation planning and sample analysis).

- Coordinate content, develop content, presentations and materials for one 3-day training course in Atlanta, GA presented by technical experts.
- Prepare and mail 2 factsheets or mail outs to the facility mailing list and/or affected persons (assuming a 200 person mailing list). Complexity of this task is generally anticipated to be of low complexity.

The Contractor shall not incur costs or hours above the amounts authorized by the Task Order approval without the prior, specific, written approval of the Contracting Officer.

Task 2.0 Assistance Request Technical Direction Discussion

There shall be an initial Assistance Request Technical Direction Discussion prior to initiating work; the contractor shall participate in an initial meeting or conference call with the EPA TOCOR and Technical Contact. The purpose of the meeting will be to clarify models, and technical approach, sampling and analysis planning, public participation plan or scope of investigation/review/oversight and resources to be used. Personnel assigned to this task order shall have appropriate expertise for the specific tasks.

The EPA Technical Contact (TC) will provide technical information to the contractor regarding required corrective action criteria and administrative process. TCs are not authorized to direct the contractor. All official correspondence with the facility will be conducted jointly with the EPA. The contractor shall collect all documents necessary for oversight, review and evaluation from the TOCOR or TC for each assistance request and deliverable development.

Task 3.0 Requested Deliverable Development

The contractor shall prepare all deliverables using current EPA regulations, policy, procedures, methods, analysis, and data validation guidance, EPA Region 4's Community Engagement Toolkit, best available industry standards, practices and engineering, as well as expert RCRA knowledge and experience to support the effectiveness of the EPA's RCRA Program in accordance with the performance standards of RCRA REPA 5, Zone 2 Contract PWS, Tasks 1, 2, 3, 4, 5 and 6.

The contractor shall format all deliverables to EPA standard format for the specific document type, or as directed.

The contractor shall contact the TOCOR as questions, technical or funding issues arise via phone or e-mail to facilitate immediate resolution or direction. TCs are not authorized to direct the contractor.

Additional conference calls shall be requested by the contractor as necessary to ensure the quality of the requested assistance and resulting deliverable.

Task 3.1 Final Version of Requested Deliverable.

The EPA will provide comments or corrections to the deliverable within 15 days of receipt. The contractor shall revise and resubmit the final deliverable within 15 days of receipt of any EPA comments or corrections on the original submittal.

9. Performance Measures and Quality Assurance

The contractor's performance and deliverables shall be in accordance with the performance standards of the RCRA REPA 5, Zone 2 Contract PWS, Tasks 1, 2, 3, 4, 5 and 6.

Technical Direction

The TOCOR is authorized to provide technical communication that clarifies the PWS as set forth in this work assignment. Before accepting any action under technical direction, the contractor shall ensure that the technical direction falls within the scope of work for this work assignment. Technical direction may be issued orally and then confirmed in writing by the TOCOR; within five (5) calendar days after verbal issuance. Technical direction includes: (1) information to the contractor that assists the contractor in accomplishing the PWS and (2) comments on and approval of reports and other deliverables.

The TC will forward technical communications for the contractor to the TOCOR for concurrence and transmittal to the contractor. Technical direction must be within the scope of the contract, PWS and approved proposal. The TC is not authorized to make changes to this PWS, proposal or contract. Any deviation from the approved proposal or REPA contract must be authorized by the Contracting Officer. Where substitutions become necessary, they will be authorized by the Contracting Officer and not via technical direction.

10. Schedule of Deliverables

The schedule of deliverables shall be dependent upon the assistance requested and agreement of EPA and the contractor during the Assistance Request Technical Direction Discussion.

PWS Task	Description of Deliverables	Deliverable Due Date
	Task Order Proposal	5 days post receipt of Task Order Request from the Contracting Officer
1.0	Deliverable submittals by type of request generally:	
	Technical document reviews,	45 days post receipt of request for review,
	Research projects,	45 days post receipt of request for research,
	Public information meeting,	45 days post receipt of request for public meeting/participation,
	On-site sampling oversight,	90 day post receipt of request for field sampling,
	Independent field sampling,	90 day post receipt of request for field sampling,
	Training development and presentation,	Per agreed training date,
	Factsheets or mail outs prepared and mailed.	45 days post receipt of request for factsheet development.
2.0	Assistance Request Technical Direction Discussion	Within 5 days of receipt of a Technical Directive (TD) Assistance Request from the TOCOR
3.0	Deliverable submittals by type of request generally:	
	Technical document reviews,	45 days post receipt of request for review,
	Research projects,	45 days post receipt of request for research,
	Public information meeting,	45 days post receipt of request for public meeting/participation,
	On-site sampling oversight,	90 day post receipt of request for field sampling,
	Independent field sampling,	90 day post receipt of request for field sampling,
	Training presentation and materials,	Per agreed training date,
	Factsheets or mail outs prepared and mailed.	45 days post receipt of request for factsheet development.
3.1	Final Deliverable for Requested Assistance	15 days post receipt of any EPA comments on original draft Deliverable submitted.

EP-W-12-031 -TASK ORDER 4406 -MOD SUMMARY (FUNDING AND ADMIN)

Mod #	Reason For Modification	Status	Award Date	Obligation
BASE		Released	1/26/2016	\$50,000.00
007	Supplemental Agreement for work within scope	Released	12/15/2016	\$0.00
006	Supplemental Agreement for work within scope	Released	8/18/2016	\$0.00
005	Funding Only Action	Released	7/14/2016	\$8,600.00
004	Funding Only Action	Released	7/11/2016	\$9,086.14
003	Funding Only Action	Released	6/29/2016	\$5,792.38
002	Funding Only Action	Released	5/13/2016	\$52,500.00
001	Funding Only Action	Released	4/20/2016	\$182,413.85

[illegible]

ORDER FOR SUPPLIES OR SERVICES

PAGE OF PAGES

1

2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER 09/21/2016		2. CONTRACT NO. (If any) EP-W-12-031		6. SHIP TO: a. NAME OF CONSIGNEE Region 4	
3. ORDER NO. 4407		4. REQUISITION/REFERENCE NO. PR-R4-16-00364			
5. ISSUING OFFICE (Address correspondence to) SRRPOD US Environmental Protection Agency Ariel Rios Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3805R Washington DC 20460				b. STREET ADDRESS US Environmental Protection Agency Atlanta Federal Center 61 Forsyth Street, SW	
				c. CITY Atlanta	e. ZIP CODE 30303-3104
7. TO: HEATHER TEED				f. SHIP VIA	
a. NAME OF CONTRACTOR BOOZ ALLEN HAMILTON INC.				8. TYPE OF ORDER	
b. COMPANY NAME				<input type="checkbox"/> a. PURCHASE <input checked="" type="checkbox"/> b. DELIVERY REFERENCE YOUR: Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.	
c. STREET ADDRESS 8283 GREENSBORO DRIVE				Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.	
d. CITY MCLEAN		e. STATE VA	f. ZIP CODE 221023838		
9. ACCOUNTING AND APPROPRIATION DATA See Schedule				10. REQUISITIONING OFFICE	

11. BUSINESS CLASSIFICATION (Check appropriate box(es))				12. F.O.B. POINT	
<input type="checkbox"/> a. SMALL	<input type="checkbox"/> b. OTHER THAN SMALL	<input type="checkbox"/> c. DISADVANTAGED	<input type="checkbox"/> d. WOMEN-OWNED	<input type="checkbox"/> e. HUBZone	
<input type="checkbox"/> f. SERVICE-DISABLED VETERAN-OWNED	<input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM		<input type="checkbox"/> h. EDWOSB		
13. PLACE OF		14. GOVERNMENT B/L NO.		15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	
a. INSPECTION Destination	b. ACCEPTANCE Destination				

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	DUNS Number: 006928857 4407 EPA Region 4 RCRA Program Oversight This Time-and-Material Task Order is hereby initiated approving the Contractor's proposal dated August 18, 2016 in the Continued ...					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		17(h) TOTAL (Cont. pages)
	21. MAIL INVOICE TO:						
	a. NAME RTP Finance Center						\$0.00
	b. STREET ADDRESS (or P.O. Box) US Environmental Protection Agency RTP-Finance Center Mail Drop D143-02 109 TW Alexander Drive						
c. CITY Durham				d. STATE NC	e. ZIP CODE 27711	\$333,334.96	17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY (Signature)

09/21/2016

[Signature]

ELECTRONIC SIGNATURE

23. NAME (Typed)
Derek Davis
TITLE: CONTRACTING/ORDERING OFFICER

ORDER FOR SUPPLIES OR SERVICES

SCHEDULE - CONTINUATION

PAGE NO
2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER 09/21/2016	CONTRACT NO. EP-W-12-031	ORDER NO. 4407
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ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
0001	<p>amount of \$333,334.96. Funding in the amount of \$39,000.00 is provided which the contractor is not authorized to exceed.</p> <p>All other terms and conditions remain unchanged and in full force and effect. TOCOR: Brian Bastek Max Expire Date: 09/12/2017 Admin Office: SRRPOD US Environmental Protection Agency Ariel Rios Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3805R Washington DC 20460</p> <p>Accounting Info: 16-17-B-04T00RR-303D99-2505-1604TK6009-001 BFY: 16 EFY: 17 Fund: B Budget Org: 04T00RR Program (PRC): 303D99 Budget (BOC): 2505 DCN - Line ID: 1604TK6009-001 Period of Performance: 09/21/2016 to 09/12/2017</p> <p>EPA Region 4 RCRA Program Oversight</p>					

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$0.00

U.S. Environmental Protection Agency, Region 4
CONTRACT NUMBER: TBD
CONTRACT NAME: REPA 5, Zone 2
CONTRACTOR NAME: TBD
REGIONAL TASK ORDER NUMBER: TBD

PERFORMANCE WORK STATEMENT

1. TITLE: RCRA Program Oversight

This Task Order will include assistance requests related to the following RCRA REPA 5, Zone 2 Contract identified Tasks and Subtasks :

Task 1: Technical Reviews & Analysis/Assessment Support,
 Subtask 1.1 Technical Reviews,
 Subtask 1.2 Technical Analysis/Assessment Support & Document Preparation,
Task 2: Field Oversight, Inspection, Sampling & Data Review,
 Subtask 2.1 Field Audit/Oversight & Inspections,
 Subtask 2.2 Field Sampling,
 Subtask 2.3 Data Review (Validation, Evaluation, & Reporting),
Task 3: Enforcement Negotiation and Litigation Support,
 Subtask 3.1 Case Development,
 Subtask 3.2 General Enforcement Negotiation Support,
 Subtask 3.3 Expert Witness/Consultant Support,
Task 4: Records and Data Management,
 Subtask 4.1 Records Management,
 Subtask 4.2 Data management,
Task 5: Training, Conferences, Community Engagement & Public Involvement,
 Subtask 5.1 Training & Conference Support, and,
 Subtask 5.2 Public Involvement, Community Engagement & Outreach Activities,
Task 6: Special Initiatives, Studies and Program Support.

2. CONTRACTING OFFICER REPRESENTATIVES

EPA Contract Level Contracting Officer's Representative (CL COR)

Brian Bastek
Project Manager
RCRA Corrective Action & Permits Section (RCAPS)
RCRA Cleanup & Brownfields Branch (RCBB)
Resource Conservation & Restoration Division (RCRD)
U.S. Environmental Protection Agency, Region 4
10Th Floor – Sam Nunn Atlanta Federal Center
61 Forsyth Street, S.W.
Atlanta, GA 30303
Ph: 404-562-8511
Fax: 404-562-8439
eMail: bastek.brian@epa.gov

EPA Task Order Contracting Officer's Representative (Alternate CL COR/Task Order COR)

Denise Housley
RCRA Program Specialist
RCAPS, RCBB, RCRD
U.S. Environmental Protection Agency, Region 4
10th Floor – Sam Nunn Atlanta Federal Center
61 Forsyth Street, S.W.
Atlanta, GA 30303
Ph: 404-562-8495
Fax: 404-562-8439
eMail: housley.denise@epa.gov

The Contract Level COR will be the point of contact with the Contractor's program manager. The TOCOR will act as the technical and administrative point of contact between EPA and the Contractor's Task Order Manager (TOM.) The TOCOR will act as the technical advisor for EPA and the Contractor's staff.

3. AUTHORIZATION

This Performance Work Statement (PWS) is in accordance with RCRA REPA 5, Zone 2 Contract PWS

Task 1: Technical Reviews & Analysis/Assessment Support,
 Subtask 1.1 Technical Reviews,
 Subtask 1.2 Technical Analysis/Assessment Support & Document Preparation,
Task 2: Field Oversight, Inspection, Sampling & Data Review,
 Subtask 2.1 Field Audit/Oversight & Inspections,
 Subtask 2.2 Field Sampling,
 Subtask 2.3 Data Review (Validation, Evaluation, & Reporting),
Task 3: Enforcement Negotiation and Litigation Support,
 Subtask 3.1 Case Development,
 Subtask 3.2 General Enforcement Negotiation Support,
 Subtask 3.3 Expert Witness/Consultant Support,
Task 4: Records and Data Management,
 Subtask 4.1 Records Management,
 Subtask 4.2 Data management,
Task 5: Training, Conferences, Community Engagement & Public Involvement,
 Subtask 5.1 Training & Conference Support, and,
 Subtask 5.2 Public Involvement, Community Engagement & Outreach Activities,
Task 6: Special Initiatives, Studies and Program Support.

4. PERIOD OF PERFORMANCE

The period of performance for this Task Order, (TO) is from the date of Contracting Officer issuance through September 12, 2017.

5. BACKGROUND

The Resource Conservation and Restoration Division (RCRD) of the U.S. Environmental Protection Agency, Region 4 is the lead organizational unit responsible for the implementation and oversight of the RCRA Program associated with hazardous waste management, hazardous waste and hazardous constituent remedial actions, compliance assistance and inspections, enforcement case development and negotiations, various types of orders

directing RCRA compliance and corrective action, interim measures, voluntary investigations, hazardous waste permitting (including RCRA Organic Air Emission Standards), environmental risk assessments, background studies, hazardous waste combustion/open burn/open detonation/miscellaneous unit evaluation and permitting, waste determinations, closure of operating hazardous waste management units, necessary public participation, RCRA Program development, Program technical and regulatory development and guidance, state hazardous waste program administration and development assistance and authorization, training and outreach related to the RCRA Program in Region 4 and in the Region's eight southeastern states.

Government Performance and Results Act Goals

In 1993, Congress passed, and the President signed, the Government Performance and Results Act (GPRA). GPRA placed new management expectations and requirements on federal agencies. GPRA provides a way to create fiscal accountability for federal programs. Pursuant to GPRA, departments and agencies must clearly describe the goals and objectives of their programs, identify resources and actions needed to accomplish these goals and objectives, develop a means of measuring their progress, and regularly report on their achievements. This approach also seeks to improve congressional decision making by clarifying and stating program performance goals, costs, and results "up front."

In response to GPRA's requirements for more effective planning, budgeting and program evaluation, in 2005, the RCRA Program began measuring its RCRA Corrective Action progress through two facility-wide RCRA Environmental Indicators. Current Human Exposures Under Control (CA725) and Migration of Groundwater Contamination Under Control (CA750). For the 2008 GPRA Cleanup Baseline; two new goals were added: Remedy Decision (CA400), (Remedy) Construction Complete (CA550), Ready for Anticipated Use (CA800), Corrective Action Performance Standards Attained (CA900) and Corrective Action Process Terminated (CA999). For RCRA Permitting, performance is measured by initial and renewal permit issuances. For RCRA compliance and enforcement, performance is measured by the number of Number of NOV/ Warning Letters (120s/140s), Show Cause/ Informal meetings (130s) as well as the number of inspections.

Many of the Region's GPRA Goals are achieved through the efforts of the RCRA Program and the RCRD. The RCRA Program is administered in coordination with the authorized states and can be implemented through a number of enforceable documents as appropriate for the uniqueness of the facility's situation.

The RCRD and RCRA Program-authorized states issue and administer permits for hazardous waste management and include the imposition of corrective action and remedy selection decisions for identified environmental releases. The HSWA permit is a portion of the full RCRA hazardous waste management permit and is necessary for a facility to be fully permitted under the RCRA Program.

RCRA Program oversight assistance involves technical review and analysis of a variety of documents as well as on-site activity evaluations, sampling and analysis work, research on waste management technology, remedies and assessment technologies; risk assessment and air and groundwater modeling; contaminant fate and transport, and development of conceptual site models. Documents may involve research of various types of legal and geographic information to provide background information on a facility's current and historical site operations, waste management practices, ownership and financial standing.

The RCRD evaluates permit and modification applications to issue a decision approving or denying RCRA permits to facilities in states which are not authorized for all RCRA standards.

The federal RCRA Program also provides technical assistance as requested or agreed with the authorized state.

Though Projects reviewed under this TO could consist of a variety of traditional RCRA-subject Hazardous Waste Management Units, the reviews will primarily involve highly complex technical reviews of RCRA Organic Air Emission Standards-subject facilities, combustion, thermal treatment, and open burn/open detonation (OB/OD) units. RCRA-subject combustion units present unique site-specific permitting situations requiring specialized expertise and knowledge to achieve controls in place:

- In November 1994, EPA finalized a national strategy for hazardous waste minimization and combustion. One of the eight stated goals of this strategy was to develop and impose more rigorous controls on combustion facilities and to ensure that hazardous waste combustion facilities do not pose an unacceptable risk to human health or the environment. Since that time, the most significant tool developed to determine if combustion facilities pose an unacceptable risk to human health and the environment is the risk assessment which addresses both direct and indirect exposure pathways. In order to ensure that facilities are planning and designing combustion and other risk assessments pursuant to established guidance and current methodologies. Owners and operators of facilities are required to submit air modeling, quality assurance and human health and ecological risk assessment protocols which describe the steps, protocols, methodologies, and processes they will follow in conducting their human health and ecological risk assessment appropriate to their unique situation. In the case of combustion and thermal treatment units, once the risk burn has been completed, a final health and ecological risk assessment report and air modeling report will be submitted along with the risk burn report to demonstrate that storage, treatment and disposal operations at the facility does not pose an unacceptable risk to human health or the environment for the Agency's review, concurrence and/or development of necessary risk-based hazardous waste management permit conditions.
- Some hazardous waste combustion facilities are subject to the Clean Air Act standards of Part 63, Subpart EEE. Hazardous waste combustion facilities subject to Part 63, Subpart EEE Maximum Achievable Control Technology (MACT EEE) standards are generally not anticipated to pose an unacceptable risk to human health or the environment. However, uncertainties remain, and additional controls may be warranted in some cases. The omnibus provision (codified in 40 CFR § 270.32(b)(2)) directs the RCRA permitting authority to include terms and conditions in the RCRA permit as necessary to ensure protection of human health and the environment. For those hazardous waste combustion facilities subject to RCRA Part 264 Subpart O or Part 266, Subpart H standards, omnibus conditions may be necessary because the MACT EEE performance standards do not directly address potential risks associated with indirect exposures (e.g., pathways other than direct inhalation).
- MACT EEE does not address direct burning, startup and malfunction or closure of combustion systems which remain to be addressed in the RCRA/HSWA permit. Per the CAA and RCRA Statutes, though RCRA is not duplicative of the CAA, the CAA requirements must be equivalent to or more stringent than RCRA's requirements. RCRA evaluation of the combustion unit for protectiveness of human health and the environment is required due to the CAA being a technology only based program and does not consider site-specific conditions or operations in permitting.
- CAA authority prohibits imposition of requirements that are more stringent than that of the MACT. However, RCRA is a risk-based statute and is designed to fill gaps in the CAA MACT requirements, especially for risks to human health and the environment providing

for the imposition of more stringent conditions than MACT when necessary. RCRA is responsible for evaluating the parameters and criteria set for a hazardous waste combustor and set any additional conditions based on the hazardous waste combustor's risk assessment and reevaluation as necessary, should the facility modify its operations, wastes managed or unit's construction that make the current risk assessment unrepresentative of the risks posed by changes in the unit's operation. If changes to the unit's operations have made the risk assessment unrepresentative, the RCRA Program must determine the need for new performance testing, air modeling, and risk assessment. Should the new risk assessment indicate unacceptable risk, the RCRA permit would be modified to include new conditions to ensure human health and the environment.

- In addition to traditional combustion units, Subpart X Miscellaneous Units (i.e., thermal treatment, chemical and mechanical treatment, open burn/open detonation units) are permitting targets requiring an equivalent level of expertise to ensure appropriate controls are in place to protect human health and the environment as does combustion units.
- Subpart X Miscellaneous Units present technical challenges to permitting controls and monitoring. Treatment process controls, effective in control of traditional units are not generally applicable to miscellaneous units and, in most cases, cannot ensure protection of human health or the environment or safe unit operation without expert unit-specific review and crafting of custom permit controls.
- The Subpart X Miscellaneous unit universe primarily consists of thermal treatment and open burning. However, chemical agent demilitarization involving specialized mechanical systems and chemical treatment systems are also regulated and require a RCRA hazardous waste management permit. Specialized experience in chemical engineering, mechanical and systems engineering, chemistry, air modeling and risk assessment, and RCRA miscellaneous unit application review are required to appropriately and adequately review technical documents associated with open burning, detonation, mechanical and specialized chemical treatments used in chemical agent demilitarization systems.

In addition to permits, the RCRA Program is accomplished via various types of administrative and court orders that can direct the subject facility to investigate waste and contaminant releases; sample and analyze environmental media; remove or remedy releases to environmental media; or modify waste management operations for RCRA compliance; do technology/remedy assessments; install and operate selected release remedies; perform exposure and remedial goal risk assessments; as well as remedy performance evaluations.

Public involvement and Community Engagement are significant aspects of the RCRA Program and can be specific to the RCRA facility. Common community engagement efforts include the design, development, coordination, maintenance and presentation of: 1. Workshops and meetings related to facility specific activities and issues, 2. Basic training for understanding the RCRA Program processes, 3. Corrective Action progress updates and factsheet, mailings, 4. Visual aids, charts, diagrams, 5. Repository websites and hardcopy collections for a specific RCRA facility or project.

RCRA Program training is an essential business practice to ensure consistent Program administration across the Country, Region and among all states. RCRA Program specific training must be developed and updated periodically and presented to EPA and state staff at various locations within the Region.

6. OBJECTIVE/PURPOSE

The contractor shall use personnel with experience appropriate to adequately complete the Performance Work Statement task. Experience and knowledge expected to be requested under this Task Order includes:

Corrective Action:

Oversight of Corrective Action related to review of environmental media investigations, sampling and analysis plans and reports; environmental media analytical result evaluation and validation, Corrective Action community engagement; data management; remediation technology design, installation and operation; Corrective Action risk assessments related to human and ecological exposure and remedy cleanup criteria; environmental media investigation design and oversight, base RCRA Program and Corrective Action topic training. The contractor may be requested to provide appropriately experienced personnel to accomplish any of the tasks identified in the Section V. Background description above. Further,

- The contractor shall support EPA Region 4 staff in reviewing or overseeing corrective action related information collection, evaluation, documentation, and assessment of site-specific information and the development of orders for RCRA facilities subject to corrective action. The contractor maybe be requested to review human health and ecological risk assessments for the purposes of determining and selecting appropriate Corrective Action remedies or evaluating the threats posed by a facility, to assist with historical photo interpretation and analysis, to assist with contaminant fate and transport modeling in soil and groundwater, to do air dispersion and deposition modeling of contaminants related to site Corrective Action contaminant migration or risk assessment, and to evaluate proposed remedy selections. Common reviews EPA may request include, but are not limited to: waste determinations, Corrective Action enforceable documents, RCRA Facility Assessments (RFAs), RCRA Facility Investigations (RFIs), Corrective Measure Studies (CMS), Corrective Measure Design and Implementation Reports, financial assurance documents, risk assessment documents, Site Evaluation Reports, Closure Plans, Statements of Basis, Environmental Indicator documents, Field Sampling Plans (FSPs), and Quality Assurance Project Plans (QAPPs), Records of Decision (RODs), treatability studies, Site Characterization Information.
- The contractor shall support EPA Region 4 staff in overseeing activities such as Corrective Action investigations, sampling and analysis and data validation per EPA Region 4 Science & Ecological Support Division (SESD) guidelines, oversight remedy and well installation, and completing limited independent Corrective Action related field studies involving sampling, analysis, and data validation and evaluation for RCRA facilities subject to corrective action identified via Technical Direction by the TOCOR or CL COR. Common Corrective Action field oversight EPA may request include, but not limited to RCRA REPA, Zone 2 Contract PWS Subtasks 2.1, 2.2 and 2.3,
- The contractor shall support EPA Region 4 staff in Corrective Action related document and data management, web publication of public information, hardcopy and electronic repository creation and management, including but not limited to RCRA REPA 5, Zone 2 Contract PWS, Subtasks 4.1 and 4.2.
- The contractor shall support EPA Region 4 staff in Corrective Action related training, community engagement meetings and public communications. Support that EPA may

request include, but are not limited to those listed in RCRA REPA 5, Zone 2 Contract PWS, Subtasks 5.1, 5.2.

RCRA Permitting & Modifications:

EPA requests the Contractor to provide assistance to EPA Region 4 and states in determining whether RCRA Part B permit applications and technical documents reviewed under this TO, are regulatorily complete and technically adequate in accordance with current appropriate regulatory requirements, guidance, permit checklists and other relevant information sources.

This TO may include observation of performance testing for conformance to approved test plans, performance of air dispersion modeling and combustion risk assessment per the facility's established protocols by the Contractor to reconfirm the representativeness and risks due to changes in operation. In addition, the Contractor will be requested to review facility air dispersion modeling and risk assessment plans, performance test plans and results, and risk assessment results for both human health and ecological risk assessments.

The work requested is provided for in the general category of Task 1 of the REPA 4 Zone 2 Contract PWS; Technical Reviews & Analysis/Assessment Support.

RCRA Compliance & Enforcement:

Requests for Contractor assistance related to RCRA compliance and enforcement may include: expert witnesses and consultants to assist EPA in the support of civil and criminal actions, administrative orders and hearings, negotiations and settlement meetings, and other settlement-related proceedings; inspection sampling, analysis, data interpretation and reporting; and other work provided for in the general category of Task 3 of the REPA 4 Zone 2 Contract PWS.

7. ASSUMPTIONS AND CONSTRAINTS

Complexity:

Level of Complexity: Low Complexity to High Complexity depending on the assistance requested.

This TO is anticipated to be predominantly highly complex in technical difficulty, overseen by senior scientist and engineers with support from mid level and junior scientists and engineers, and experts with significant and appropriate experience associated with the work requested. The Contract personnel assigned to this TO shall have appropriate expertise for each task or subtask requested.

For permitting assistance requests relating to combustion, thermal treatment, open burn and open detonation, Contract personnel assigned to this TO shall have appropriate significant expertise specifically relating to RCRA Combustion and Thermal Treatment (i.e., mechanical, system structural and chemical engineering, chemistry, combustion/thermal treatment systems, munitions expertise, RCRA Hazardous Waste Combustion permit and permit processing knowledge, RCRA application review experience) and RCRA Organic Air Emission Standards knowledge, interpretation and application.

Additionally, technical air model and risk assessment reviewers shall have qualifications and experience as outlined below:

Air Modeler: The air modeler reviewing projects submitted under this Task Order shall have significant experience, knowledge and proficiency in using current versions of EPA's standard air modeling applications (i.e., Industrial Source Complex Short-Term Model (ISCST), Open Burn/Open Detonation Model (OBODM)) and appropriate model use in generating concentration and deposition data for use in hazardous waste combustor, thermal treatment and OB/OD unit human health and ecological risk assessments. Experience shall encompass: 1) use of meteorological and building profile preprocessing programs; 2) use of digital land use databases; 3) preparation of input files; 3) execution of multiple model runs to generate vapor phase, particle phase, and particle-bound phase data; and 5) integration of model output into software designed to predict risk at RCRA combustion and OB/OD hazardous waste management units (i.e., Risk Burn Guidance for Hazardous Waste Combustion Facilities, Human Health Risk Assessment Protocol (HHRAP) for Hazardous Waste Combustion Facilities - Final, Screening Level Ecological Risk Assessment Protocol for Hazardous Waste Combustion Facilities - Peer Review Draft).

Toxicologist/Risk Assessor: The risk assessments conducted under this TO shall require the expertise of a person with demonstrated proficiency in performing risk assessments according to the most current revision of Human Health Risk Assessment Protocol (HHRAP) for Hazardous Waste Combustion Facilities - Final, and CERCLA Ecological Risk Assessment Guide, Screening Level Ecological Risk Assessment Protocol for Hazardous Waste Combustion Facilities - Peer Review Draft. Proficiency knowledge of combustion risk assessment software shall also be demonstrated as necessary, for comprehensive technical review of the risk assessments contained in the requested project reviews under this TO.

Deliverable Format:

All electronic deliverables shall be scanned for viruses prior to delivery to EPA.

Unless otherwise specified, all source electronic deliverables shall be generated in the following proprietary formats depending on the type of file:

- Microsoft Word
- Excel
- Adobe Acrobat Portable Document Format, and
- For data, the contractor shall use EPA Region 4 standard electronic data deliverable (EDD) format (See www.epa.gov/region4/waste/sf/edd/edd.html for more information.)

The Contractor shall provide deliverables via hard copy, electronic file transfers and flash drive format. If information should require an alternative format, the Contractor shall request the TOCOR approve the alternative format prior to delivering the information in the alternative format.

8. SCOPE

Task 1.0 Pre-Award Meeting and Proposal

Contractor shall prepare a Task Order proposal based on the tasks and effort listed in this Task Order Section (i.e., Task 1.0) below. The proposal should include a detailed cost breakdown of travel, equipment, services, analysis/lab costs and labor based on the contractor's historical average costs for such equipment and services in Region 4. EPA will request specific assistance under this TO by technical directive. Region 4's technical

directives may request assistance under this TO, for any RCRA subject facility in Region 4 varying in complexity from low to high. If cost is a concern, EPA may request a cost breakdown of an individual technical directive and the cost of the requested assistance.

For the purpose of cost estimation for this Performance Work Statement, the contractor should assume the following number of assistance requests might be made in total. The contractor should estimate based on the contractor's experience and recent, average costs for similar tasks/subtasks of similar complexity:

- Review 10 technical documents. [300 pgs/document, 300 pages of data, 10 Appendices, 50 pages each appendix, senior review expertise] [5 moderate complexity RCRA permit applications, 5 complex RFI Report Reviews] [1 draft, 1 final.] [1 cursory conference call.]
- Preparation of 3 projects of moderate to high complexity which may require data gathering/file reviews at EPA Region 4 and/or the state. [Assume all are historical aerial photography interpretation/analysis report for moderate complexity facilities.] [Desktop only, No trips.] [Requires a report as the deliverable with analysis of photos including all collected photos.] [Assume no request for environmental indicators analysis.]
- Hold 6 public information and participation meetings (not exceeding 2 hours in duration for approximately 75 persons) [1, 1-hr presentation per meeting] [1, 2-page factsheet per meeting, 75 people per meeting] [1 poster per meeting] [No court reporters or interpreters required], including setup for and facilitation/presentation of information at the location [assume a meeting room for 75 people, in Hattiesburg, MS, and requires setup/teardown, does not require post-meeting survey and does not require registration], acquiring the location, publication of the meeting announcement in a local newspaper and on the local radio once. Distribution to mailing list. [Assume 1, 2-page factsheet per meeting to 75 people. Assume no speaker coordination or assistance with speaker presentation materials.] This task is generally anticipated to be of low complexity.
- Oversight of 5 on-site events [1 person per oversight event for 5 days per oversight event working 10-hr days. All oversight events will be in Hattiesburg, MS] and collection of 5 split samples/event [1 split per media (i.e., soil, groundwater, sediment) per oversight event], Level 4 Data Package Data validation and reporting (per EPA Region 4 SESD criteria) should be assumed for all oversight events for at least 3 samples. Complexity of this task is site-specific and generally anticipated to require a combination of labor and activities ranging in complexity from moderate to high complexity depending upon the sampling and analysis being performed and whether split sampling with a RCRA facility or site is requested.
- Conduct 2 independent field sampling events averaging 15 samples per event. [10 samples must be grubbed at each independent sampling event. It is a 15-30 mile drive to the FedEx drop at each sampling event in Hattiesburg, MS.] [Assume 2 average moderate complexity sites/facilities both in Hattiesburg, MS.] [Media to be sampled, soil, groundwater, sediment][5 soil, 5 groundwater collected via direct push or existing monitoring well, 5 sediment][No temporary or permanent wells will be installed, all groundwater will be collected using direct push only. The 5 groundwater samples will be collected direct push.] All field sampling shall include analysis [VOC, Metals, and Dioxin for each of the 15 samples collected at each independent sampling event.][1 split for each media, soil, groundwater, sediment.], data validation [Level 4 Data Package validation for each sample at each sampling event.], interpretation of observations or sampling results in relation to RCRA compliance status or in relation to EPA standards (such as Regional Screening Levels (RSLs)), and reporting. [The trip report shall include: data evaluation and summary data tables, groundwater flow analysis, figures depicting groundwater elevations at MWs and inferred potentiometric surface maps, borehole log diagrams and fence diagrams.] Level 4 Data Package Data Validations (per EPA Region 4 SESD criteria) for

each field event by a third party validator should be assumed. Complexity of this task is site-specific and generally anticipated to require a combination of labor and activities to accomplish ranging in complexity from low to high complexity depending upon if the labor assigned (i.e., field equipment operation, sample collection to field investigation planning and sample analysis).

- Coordinate content, develop content, presentations and materials for one 3-day training course in Atlanta, GA presented by technical experts.
- Prepare and mail 2 factsheets or mail outs to the facility mailing list and/or affected persons (assuming a 200 person mailing list). Complexity of this task is generally anticipated to be of low complexity.

The Contractor shall not incur costs or hours above the amounts authorized by the Task Order approval without the prior, specific, written approval of the Contracting Officer.

Task 2.0 Assistance Request Technical Direction Discussion

There shall be an initial Assistance Request Technical Direction Discussion prior to initiating work; the contractor shall participate in an initial meeting or conference call with the EPA TOCOR and Technical Contact. The purpose of the meeting will be to clarify models, and technical approach, sampling and analysis planning, public participation plan or scope of investigation/review/oversight and resources to be used. Personnel assigned to this task order shall have appropriate expertise for the specific tasks.

The EPA Technical Contact (TC) will provide technical information to the contractor regarding required corrective action criteria and administrative process. TCs are not authorized to direct the contractor. All official correspondence with the facility will be conducted jointly with the EPA. The contractor shall collect all documents necessary for oversight, review and evaluation from the TOCOR or TC for each assistance request and deliverable development.

Task 3.0 Requested Deliverable Development.

The contractor shall prepare all deliverables using current EPA regulations, policy, procedures, methods, analysis, and data validation guidance, EPA Region 4's Community Engagement Toolkit, best available industry standards, practices and engineering, as well as expert RCRA knowledge and experience to support the effectiveness of the EPA's RCRA Program in accordance with the performance standards of RCRA REPA 5, Zone 2 Contract PWS, Tasks 1, 2, 3, 4, 5 and 6.

The contractor shall format all deliverables to EPA standard format for the specific document type, or as directed.

The contractor shall contact the TOCOR as questions, technical or funding issues arise via phone or e-mail to facilitate immediate resolution or direction. TCs are not authorized to direct the contractor.

Additional conference calls shall be requested by the contractor as necessary to ensure the quality of the requested assistance and resulting deliverable.

Task 3.1 Final Version of Requested Deliverable.

The EPA will provide comments or corrections to the deliverable within 15 days of receipt. The contractor shall revise and resubmit the final deliverable within 15 days of receipt of any EPA comments or corrections on the original submittal.

9. Performance Measures and Quality Assurance

The contractor's performance and deliverables shall be in accordance with the performance standards of the RCRA REPA 5, Zone 2 Contract PWS, Tasks 1, 2, 3, 4, 5 and 6.

Technical Direction

The TOCOR is authorized to provide technical communication that clarifies the PWS as set forth in this work assignment. Before accepting any action under technical direction, the contractor shall ensure that the technical direction falls within the scope of work for this work assignment. Technical direction may be issued orally and then confirmed in writing by the TOCOR; within five (5) calendar days after verbal issuance. Technical direction includes: (1) information to the contractor that assists the contractor in accomplishing the PWS and (2) comments on and approval of reports and other deliverables.

The TC will forward technical communications for the contractor to the TOCOR for concurrence and transmittal to the contractor. Technical direction must be within the scope of the contract, PWS and approved proposal. The TC is not authorized to make changes to this PWS, proposal or contract. Any deviation from the approved proposal or REPA contract must be authorized by the Contracting Officer. Where substitutions become necessary, they will be authorized by the Contracting Officer and not via technical direction.

10. Schedule of Deliverables

The schedule of deliverables shall be dependent upon the assistance requested and agreement of EPA and the contractor during the Assistance Request Technical Direction Discussion.

PWS Task	Description of Deliverables	Deliverable Due Date
Task Order Proposal		5 days post receipt of Task Order Request from the Contracting Officer
1.0	Deliverable submittals by type of request generally:	
	Technical document reviews,	45 days post receipt of request for review,
	Research projects,	45 days post receipt of request for research,
	Public information meeting,	45 days post receipt of request for public meeting/participation,
	On-site sampling oversight,	90 day post receipt of request for field sampling,
	Independent field sampling,	90 day post receipt of request for field sampling,
	Training development and presentation,	Per agreed training date,
	Factsheets or mail outs prepared and mailed.	45 days post receipt of request for factsheet development.
2.0	Assistance Request Technical Direction Discussion	Within 5 days of receipt of a Technical Directive (TD) Assistance Request from the TOCOR
3.0	Deliverable submittals by type of request generally:	
	Technical document reviews,	45 days post receipt of request for review,
	Research projects,	45 days post receipt of request for research,
	Public information meeting,	45 days post receipt of request for public meeting/participation,
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	Independent field sampling,	90 day post receipt of request for field sampling,
	Training presentation and materials,	Per agreed training date,
	Factsheets or mail outs prepared and mailed.	45 days post receipt of request for factsheet development.
3.1	Final Deliverable for Requested Assistance	15 days post receipt of any EPA comments on original draft Deliverable submitted.

EP-W-12-031 TASK ORDER 4407 MODIFICATIONS SUMMARY

Mod #	Reason For Modification	Status	Award Date	Obligation
P00008	Other Administrative Action	Released	4/3/2018	\$0.00
P00007	Funding Only Action	Released	1/25/2018	\$50,000.00
P00006	Funding Only Action	Released	12/18/2017	\$25,000.00
BASE		Released	9/21/2016	\$39,000.00
005	Supplemental Agreement for work within scope	Released	8/31/2017	\$7,500.00
004	Funding Only Action	Released	5/18/2017	\$7,880.00
003	Funding Only Action	Released	4/28/2017	\$95,700.00
002	Funding Only Action	Released	3/31/2017	\$25,485.80
001	Funding Only Action	Released	2/1/2017	\$80,000.00

Total Amount without Options	Total Amount
\$0.00	\$0.00
\$0.00	\$0.00
\$0.00	\$0.00
\$333,334.96	\$333,334.96
\$0.00	\$0.00
\$0.00	\$0.00
\$0.00	\$0.00
\$0.00	\$0.00
\$0.00	\$0.00

ORDER FOR SUPPLIES OR SERVICES

PAGE OF PAGES

1

2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER 02/15/2017		2. CONTRACT NO. (If any) EP-W-12-031		6. SHIP TO: a. NAME OF CONSIGNEE Region 4	
3. ORDER NO. 4408		4. REQUISITION/REFERENCE NO. PR-R4-16-00365			
5. ISSUING OFFICE (Address correspondence to) SRRPOD US Environmental Protection Agency Ariel Rios Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3805R Washington DC 20460				b. STREET ADDRESS US Environmental Protection Agency Atlanta Federal Center 61 Forsyth Street, SW	
				c. CITY Atlanta	e. ZIP CODE 30303-3104
7. TO: HEATHER TEED				f. SHIP VIA	
a. NAME OF CONTRACTOR BOOZ ALLEN HAMILTON INC.				8. TYPE OF ORDER	
b. COMPANY NAME				<input type="checkbox"/> a. PURCHASE <input checked="" type="checkbox"/> b. DELIVERY REFERENCE YOUR: Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.	
c. STREET ADDRESS 8283 GREENSBORO DRIVE				Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.	
d. CITY MCLEAN		e. STATE VA	f. ZIP CODE 221023838		
9. ACCOUNTING AND APPROPRIATION DATA See Schedule				10. REQUISITIONING OFFICE	

11. BUSINESS CLASSIFICATION (Check appropriate box(es)) <input type="checkbox"/> a. SMALL <input type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. SERVICE-DISABLED VETERAN-OWNED <input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM <input type="checkbox"/> h. EDWOSB				12. F.O.B. POINT	
13. PLACE OF a. INSPECTION Destination		b. ACCEPTANCE Destination		14. GOVERNMENT B/L NO.	
				15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	
16. DISCOUNT TERMS					

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)	
	DUNS Number: 006928857 4408 EPA Region 4, RCRA Cost Estimate and Enforcement Assistance This Time-and-Material Task Order is hereby initiated approving the Contractor's Continued ...						
18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		17(h) TOTAL (Cont. pages)	
21. MAIL INVOICE TO:							
a. NAME RTP Finance Center							
b. STREET ADDRESS (or P.O. Box) US Environmental Protection Agency RTP-Finance Center Mail Drop D143-02 109 TW Alexander Drive						\$0.00	17(i) GRAND TOTAL
c. CITY Durham						\$137,587.64	
d. STATE NC							
e. ZIP CODE 27711							

22. UNITED STATES OF AMERICA BY (Signature)		02/15/2017		23. NAME (Typed) Derek Davis TITLE: CONTRACTING/ORDERING OFFICER	
		ELECTRONIC SIGNATURE			

ORDER FOR SUPPLIES OR SERVICES
SCHEDULE - CONTINUATION

PAGE NO
2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER 02/15/2017	CONTRACT NO. EP-W-12-031	ORDER NO. 4408
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ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
0001	<p>proposal dated January 4, 2017 in the amount of \$137,587.64. Funding in the amount of \$30,000.00 is provided which the contractor is not authorized to exceed.</p> <p>All other terms and conditions remain unchanged and in full force and effect. TOCOR: Brian Bastek Max Expire Date: 09/12/2017 Admin Office: SRRPOD US Environmental Protection Agency Ariel Rios Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3805R Washington DC 20460</p> <p>Accounting Info: 16-17-B-04T00RR-303D99-2505-1604TK6008-001 BFY: 16 EFY: 17 Fund: B Budget Org: 04T00RR Program (PRC): 303D99 Budget (BOC): 2505 DCN - Line ID: 1604TK6008-001 Period of Performance: 02/15/2017 to 09/12/2017</p> <p>RCRA Cost Estimate and Enforcement Assistance</p>					

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$0.00

U.S. Environmental Protection Agency, Region 4
CONTRACT NUMBER: TBD
CONTRACT NAME: REPA 5, Zone 2
CONTRACTOR NAME: TBD
REGIONAL TASK ORDER NUMBER: 4408

PERFORMANCE WORK STATEMENT

1. TITLE: RCRA Cost Estimate and Enforcement Assistance

This Task Order will include assistance requests related to the following RCRA REPA 5, Zone 2 Contract identified Tasks and Subtasks :

Task 1: Technical Reviews & Analysis/Assessment Support,
 Subtask 1.1 Technical Reviews,
 Subtask 1.2 Technical Analysis/Assessment Support & Document Preparation,
Task 2: Field Oversight, Inspection, Sampling & Data Review,
 Subtask 2.1 Field Audit/Oversight & Inspections,
 Subtask 2.2 Field Sampling,
 Subtask 2.3 Data Review (Validation, Evaluation, & Reporting),
Task 3: Enforcement Negotiation and Litigation Support,
 Subtask 3.1 Case Development,
 Subtask 3.2 General Enforcement Negotiation Support,
 Subtask 3.3 Expert Witness/Consultant Support,
Task 4: Records and Data Management,
 Subtask 4.1 Records Management,
 Subtask 4.2 Data management,
Task 5: Training, Conferences, Community Engagement & Public Involvement,
 Subtask 5.1 Training & Conference Support, and,
Task 6: Special Initiatives, Studies and Program Support.

2. CONTRACTING OFFICER REPRESENTATIVES

EPA Contract Level Contracting Officer's Representative (CL COR)

Brian Bastek
Project Manager
RCRA Corrective Action & Permitting Section (RCAPS)
RCRA Cleanup & Brownfields Branch (RCBB)
Resource Conservation & Restoration Division (RCRD)
U.S. Environmental Protection Agency, Region 4
10th Floor – Sam Nunn Atlanta Federal Center
61 Forsyth Street, S.W.
Atlanta, GA 30303
Ph: 404-562-8511
Fax: 404-562-8439
email: bastek.brian@epa.gov

EPA Task Order Contracting Officer's Representative (Alternate CL COR/Task Order COR)

Denise Housley
RCRA Program Specialist
RCAPS, RCBB, RCRD
U.S. Environmental Protection Agency, Region 4

10th Floor – Sam Nunn Atlanta Federal Center
61 Forsyth Street, S.W.
Atlanta, GA 30303
Ph: 404-562-8495
Fax: 404-562-8439
email: housley.denise@epa.gov

The Contract Level COR will be the point of contact with the Contractor's program manager. The TOCOR will act as the technical and administrative point of contact between EPA and the Contractor's Task Order Manager (TOM.) The TOCOR will act as the technical advisor for EPA and the Contractor's staff.

3. AUTHORIZATION

This Performance Work Statement (PWS) is in accordance with RCRA REPA 5, Zone 2 Contract PWS

Task 1: Technical Reviews & Analysis/Assessment Support,
 Subtask 1.1 Technical Reviews,
 Subtask 1.2 Technical Analysis/Assessment Support & Document Preparation,
Task 2: Field Oversight, Inspection, Sampling & Data Review,
 Subtask 2.1 Field Audit/Oversight & Inspections,
 Subtask 2.2 Field Sampling,
 Subtask 2.3 Data Review (Validation, Evaluation, & Reporting),
Task 3: Enforcement Negotiation and Litigation Support,
 Subtask 3.1 Case Development,
 Subtask 3.2 General Enforcement Negotiation Support,
 Subtask 3.3 Expert Witness/Consultant Support,
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 Subtask 4.2 Data management,
Task 5: Training, Conferences, Community Engagement & Public Involvement,
 Subtask 5.1 Training & Conference Support, and,
Task 6: Special Initiatives, Studies and Program Support.

4. PERIOD OF PERFORMANCE

The period of performance for this Task Order, (TO) is from the date of Contracting Officer issuance through September 12, 2017.

5. BACKGROUND

The Resource Conservation and Restoration Division (RCRD) of the U.S. Environmental Protection Agency, Region 4 is the lead organizational unit responsible for the implementation and oversight of the RCRA Program associated with hazardous waste management, hazardous waste and hazardous constituent remedial actions, compliance assistance and inspections, enforcement case development and negotiations, various types of orders directing RCRA compliance and corrective action, interim measures, voluntary investigations, hazardous waste permitting (including RCRA Organic Air Emission Standards), environmental risk assessments, background studies, hazardous waste combustion/open burn/open detonation/miscellaneous unit evaluation and permitting, waste determinations, closure of operating hazardous waste management units, necessary public participation, RCRA Program development, Program technical and regulatory development and guidance, state hazardous waste program administration and development assistance and authorization, training and

outreach related to the RCRA Program in Region 4 and in the Region's eight southeastern states.

Government Performance and Results Act Goals

In 1993, Congress passed, and the President signed, the Government Performance and Results Act (GPRA). GPRA placed new management expectations and requirements on federal agencies. GPRA provides a way to create fiscal accountability for federal programs. Pursuant to GPRA, departments and agencies must clearly describe the goals and objectives of their programs, identify resources and actions needed to accomplish these goals and objectives, develop a means of measuring their progress, and regularly report on their achievements. This approach also seeks to improve congressional decision making by clarifying and stating program performance goals, costs, and results "up front."

In response to GPRA's requirements for more effective planning, budgeting and program evaluation, in 2005, the RCRA Program began measuring its RCRA Corrective Action progress through two facility-wide RCRA Environmental Indicators. Current Human Exposures Under Control (CA725) and Migration of Groundwater Contamination Under Control (CA750). For the 2008 GPRA Cleanup Baseline; two new goals were added: Remedy Decision (CA400), (Remedy) Construction Complete (CA550), Ready for Anticipated Use (CA800), Corrective Action Performance Standards Attained (CA900) and Corrective Action Process Terminated (CA999). For RCRA Permitting, performance is measured by initial and renewal permit issuances. For RCRA compliance and enforcement, performance is measured by the number of Number of Notices of Violations (VOCs)/ Warning Letters (120s/140s), Show Cause/ Informal meetings (130s) as well as the number of inspections.

Many of the Region's GPRA Goals are achieved through the efforts of the RCRA Program and the RCRD. The RCRA Program is administered in coordination with the authorized states and can be implemented through a number of enforceable documents as appropriate for the uniqueness of the facility's situation.

The RCRD and RCRA Program-authorized states issue and administer permits for hazardous waste management and include the imposition of corrective action and remedy selection decisions for identified environmental releases. The HSWA permit is a portion of the full RCRA hazardous waste management permit and is necessary for a facility to be fully permitted under the RCRA Program.

RCRA Program oversight assistance involves technical review and analysis of a variety of documents as well as on-site activity evaluations, sampling and analysis work, research on waste management technology, remedies and assessment technologies; risk assessment and air and groundwater modeling; contaminant fate and transport, and development of conceptual site models. Documents may involve research of various types of legal and geographic information to provide background information on a facility's current and historical site operations, waste management practices, ownership and financial standing.

The RCRD evaluates permit and modification applications to issue a decision approving or denying RCRA permits to facilities in states which are not authorized for all RCRA standards. The federal RCRA Program also provides technical assistance as requested or agreed with the authorized state.

Though Projects reviewed under this TO could consist of a variety of traditional RCRA-subject Hazardous Waste Management Units, the reviews will primarily involve highly complex technical reviews of RCRA Closures, Post Closure Care and Corrective Action Remedies including the review of environmental investigations, remedy selection, maintenance and

operation to attain remediation goals. Additionally, the tasks requested under this Task Order will include RCRA compliance and enforcement assistance maybe requested including accompanying RCRA inspectors on inspections, documentation and photograph to support the inspection, data validation, collecting and appropriately analyzing inspection samples at certified labs. Appropriate Sampling and Analysis Plans and Quality Assurance Project Plans are necessary for enforcement of analytical data and appropriate reporting of results.

The RCRA Program is accomplished via various types of administrative and court orders that can direct the subject facility to investigate waste and contaminant releases; sample and analyze environmental media; remove or remedy releases to environmental media; or modify waste management operations for RCRA compliance; do technology/remedy assessments; install and operate selected release remedies; perform exposure and remedial goal risk assessments; as well as remedy performance evaluations. EPA may request tasks to support administrative and court order development under this TO.

RCRA Program training is an essential business practice to ensure consistent Program administration across the Country, Region and among all states. RCRA Program specific training must be developed and updated periodically and presented to EPA and state staff at various locations within the Region. EPA anticipates to request that the Contractor provide RCRA cost estimate training for estimating line item costs of closure, operating facility closure and liability, Post Closure Care, RCRA Facility Investigation and remedy construction and remediation until the facility attains remediation goals and maintenance of institutional and engineering controls associated with RCRA facilities and the evaluation of Financial Assurance documents for adequacy and completeness. The Contractor should assume that the Cost Estimation Course will include instruction in RACER, CostPro and spreadsheets. The Contractor may also be asked to technically review ten (10) facility cost estimates and provide a report and comments, correction and recommendations for completeness and compliance with RCRA requirements.

6. OBJECTIVE/PURPOSE

The contractor shall use personnel with experience appropriate to adequately complete the Performance Work Statement tasks. Experience and knowledge expected to be requested under this Task Order includes:

- The contractor shall support EPA Region 4 staff in training EPA and state staff in comprehensive RCRA facility cost estimation for all aspects including liability, closure, post closure, corrective action investigation and remedy implementation and maintenance. Support that EPA may request include, but are not limited to those listed in RCRA REPA 5, Zone 2 Contract PWS, Subtasks 5.1, 5.2.
- The contractor shall prepare detailed (i.e., line item) reviews of RCRA facility cost estimates and if requested prepare cost estimates for requested facilities using RACER, CostPro, or spreadsheets. Support that EPA may request include, but are not limited to those listed in RCRA REPA 5, Zone 2 Contract PWS, Tasks 1, 4 and 6.
- Requests for Contractor assistance related to RCRA compliance and enforcement case development may include: expert witnesses and consultants to assist EPA in the support of civil and criminal actions, administrative orders and hearings, negotiations and settlement meetings, and other settlement-related proceedings; independent inspection sampling, analysis, data validation and interpretation and reporting; and other work provided for in the general category of Task 3 of the REPA 4 Zone 2 Contract PWS.

7. ASSUMPTIONS AND CONSTRAINTS

Complexity:

Level of Complexity: This TO is anticipated to be predominantly highly complex in technical difficulty, overseen by senior scientist and engineers with support from mid level and junior scientists and engineers, and experts with significant and appropriate experience associated with the work requested. The Contract personnel assigned to this TO shall have appropriate expertise for each task or subtask requested.

Deliverable Format:

All electronic deliverables shall be scanned for viruses prior to delivery to EPA.

Unless otherwise specified, all source electronic deliverables shall be generated in the following proprietary formats depending on the type of file:

- Microsoft Word
- Excel
- Adobe Acrobat Portable Document Format, and
- For data, the contractor shall use EPA Region 4 standard electronic data deliverable (EDD) format (See www.epa.gov/region4/waste/sf/edd/edd.html for more information.)

The Contractor shall provide deliverables via hard copy, electronic file transfers and flash memory format as agreed by the TOCOR. If information should require an alternative format, the Contractor shall request the TOCOR approve the alternative format prior to delivering the information in the alternative format.

8. SCOPE

Task 1.0 Pre-Award Meeting and Proposal

Contractor shall prepare a Task Order proposal based on the tasks and effort listed in this Task Order Section (i.e., Task 1.0) below. The proposal should include a detailed cost breakdown of travel, equipment, services, analysis/lab costs and labor based on the contractor's historical average costs for such equipment and services in Region 4. EPA will request specific assistance under this TO by technical directive. Region 4's technical directives may request assistance under this TO, for any RCRA subject facility in Region 4 varying in complexity from low to high. If cost is a concern, EPA may request a cost breakdown of an individual technical directive and the cost of the requested assistance.

For the purpose of cost estimation for this Performance Work Statement, the contractor should assume the following four (4) request types and number of each request type will be requested in total. The contractor should estimate based on the contractor's experience and recent, average costs for similar tasks/subtasks of similar complexity within in the Southeastern region of the U. S.:

R1. Review 10 RCRA Facility Cost Estimates technical reviews. [50 pgs/cost estimate document, 300 pages of supporting, 10 Appendices, 50 pages each appendix, senior review expertise] [5 - moderate complexity 5-acre RCRA facilities with remedies installed

and operating, 2 SWMUs in investigation; , 5 - complex 100-acre facilities in multiple phases of Corrective Action for 30 SWMUs] [1 draft, 1 final.] [1 cursory conference call.]

R2. Conduct 2 independent field sampling events averaging 15 samples per event. [10 samples must be grubbed at each independent sampling event. It is a 15-30 mile drive to the FedEx drop at each sampling event in Hattiesburg, MS.][Assume 2 average moderate complexity sites/facilities both in Hattiesburg, MS.] [Media to be sampled, soil, groundwater, sediment][5 soil, 5 groundwater collected via direct push or existing monitoring well, 5 sediment][No temporary or permanent wells will be installed, all groundwater will be collected using direct push only. The 5 groundwater samples will be collected direct push.] All field sampling shall include analysis [VOC, Metals, and Dioxin for each of the 15 samples collected at each independent sampling event.][1 split for each media, soil, groundwater, sediment.], data validation [Level 4 Data Package validation for each sample at each sampling event.], interpretation of observations or sampling results in relation to RCRA compliance status or in relation to EPA standards (such as Regional Screening Levels (RSLs)), and reporting. [The trip report shall include: data evaluation and summary data tables, groundwater flow analysis, figures depicting groundwater elevations at MWs and inferred potentiometric surface maps, borehole log diagrams and fence diagrams.] Level 4 Data Package Data Validations (per EPA Region 4 SEDS criteria) for each field event by a third party validator should be assumed. Complexity of this task is site-specific and generally anticipated to require a combination of labor and activities to accomplish ranging in complexity from low to high complexity depending upon if the labor assigned (i.e., field equipment operation, sample collection to field investigation planning and sample analysis).

R3. Coordinate content, develop content, presentations and materials for a 5-day Cost Estimation and RACER training course in Atlanta, GA, using EPA's training location and computers, presented by technical experts to 15 people, presented in the Atlanta Regional Computer Training Center, 2nd or 3rd quarter 2017.

The Contractor shall not incur costs or hours above the amounts authorized by the Task Order approval without the prior, specific, written approval of the Contracting Officer.

Task 2.0 Assistance Request Technical Direction Discussion

There shall be an initial Assistance Request Technical Direction Discussion prior to initiating work; the contractor shall participate in an initial meeting or conference call with the EPA TOCOR and Technical Contact. The purpose of the meeting will be to clarify models, and technical approach, sampling and analysis planning, public participation plan or scope of investigation/review/oversight and resources to be used. Personnel assigned to this task order shall have appropriate expertise for the specific tasks.

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Task 3.0 Requested Deliverable Development

The contractor shall prepare all deliverables using current EPA regulations, policy, procedures, methods, analysis, and data validation guidance, best available industry standards, practices and engineering, as well as expert RCRA knowledge and experience to

support the effectiveness of the EPA's RCRA Program in accordance with the performance standards of RCRA REPA 5, Zone 2 Contract PWS, Tasks 1, 2, 3, 4, 5 and 6.

The contractor shall format all deliverables to EPA standard format for the specific document type, or as directed.

The contractor shall contact the TOCOR as questions, technical or funding issues arise via phone or e-mail to facilitate immediate resolution or direction. TCs are not authorized to direct the contractor.

Additional conference calls shall be requested by the contractor as necessary to ensure the quality of the requested assistance and resulting deliverable and answer any questions EPA or the authorized state may have on the deliverable and rationale used in preparation of the deliverable.

Task 3.1 Final Version of Requested Deliverable.

The EPA will provide comments or corrections to the deliverable within 15 days of receipt. The contractor shall revise and resubmit the final deliverable within 15 days of receipt of any EPA comments or corrections on the original submittal.

9. Performance Measures and Quality Assurance

The contractor's performance and deliverables shall be in accordance with the performance standards of the RCRA REPA 5, Zone 2 Contract PWS.

Technical Direction

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The schedule of deliverables shall be dependent upon the assistance requested and agreement of EPA and the contractor during the Assistance Request Technical Direction Discussion.

PWS Task	Description of Deliverables	Deliverable Due Date
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	R1. Technical Cost Estimate Reviews,	30 days post receipt of request for review,
	R2. Independent field sampling,	90 day post receipt of request for field sampling,
	R3. Training development and presentation,	Per agreed training date,
2.0	Assistance Request Technical Direction Discussion	Within 5 days of receipt of a Technical Directive (TD) Assistance Request from the TOCOR
3.0	Draft Deliverable submittals by type of request generally:	
	R1. Technical Cost Estimate Reviews,	30 days post receipt of request for review,
	R2. Independent field sampling,	90 day post receipt of request for field sampling,
	R3. Training presentation and materials,	Per agreed training date,
3.1	Final Deliverable for Requested Assistance	15 days post receipt of any EPA comments on draft Deliverable.

EP-W-031 TASK ORDER 4408 MODIFICATIONS SUMMARY

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P00004	Other Administrative Action	Released	4/3/2018	\$0.00
BASE		Released	2/15/2017	\$30,000.00
003	Supplemental Agreement for work within scope	Released	8/31/2017	\$0.00
002	Funding Only Action	Released	6/5/2017	\$44,363.50
001	Funding Only Action	Released	5/18/2017	\$16,634.20

Total Amount without Options	Total Amount
\$0.00	\$0.00
\$137,587.64	\$137,587.64
\$0.00	\$0.00
\$0.00	\$0.00
\$0.00	\$0.00